File No. PWD 79 Misc 6

MYSORE GOVERNMENT SECRETARIAT

~~Notes~~/Correspondence/Collection

Department P-W-D Section General Irrigation

Subject :— Laying down uniform procedure regarding the soil survey in storage reservoirs - Investigation of soil survey work in Hemavathi Reservoir

Earlier References :—

Later References :—

(Classification A/B/C)

Notes Pages 5 to 10

Correspondence Pages 5 to 10 & 1 to 22

For/Not for Section note Book

~~To be destroyed after~~

28/10/59

for Under Secretary to Government

M. G. S. | Subje

Serial No 1 (Receipt) - D.O. letter No. C.E.I
ST A.C. Sc IV ITBJ dated 7/10-1-69 from the C.E.
Bangalore

Note-1

The letter of the C.E. (Comm) may be p
This is only an interim reply and further
from C.E may be awaited.

Pa
22/1
JCMR
22/1

Serial No. 2 (Receipt) - Letter No. 2645-0/03.1
dated 7/3/69 from the Secretary, J.B. Board. Desp

-2-

The letter of the Secy, J.B. Board may b
perused and this is a remainder letter
As the reply from the C.E (Comm) is still awa
draft D.O. remainder to C.E (Comm) and draft re
to the Secy, J.B. Board is put up for appl

Pa
11/4
JCMR
14/4

14/4

Issued letter No. PHD 79 GRS 64 dt 22/4/69

Letter No. CEIH/ST A.C./Sc/IV/TBJ dated 21/3
from the C.E (Comm), Bangalore

-3-

The letter of the C.E (Comm) may be perus
This is only an interim reply and further r
from C.E (Comm) may be awaited

Pa
21/5
7/5-U.S.

14/5

Serial No. 6 (Receipt) - Letter No. C.E.I.H.
Sc/IV/TBJ dated 19-5-69 from the C.E (Comm). Bl

-4-

The letter of the C.E (Comm) may be perused
It is reported that the meeting of the State Advis

Subject: File No.

WD 01050—GPB—8,00,000 13-12-65

committee (Soil conservation) was held on 6/5/69. The decision taken by the committee may be perused in para 2 of the letter. It was desired that the committee will that the Dept of Agriculture ~~is~~ is the approvals dept and the Director of Agriculture as therefore requested to forward proposals for setting up such a cell for investigation and preparation of soil conservation ~~zones~~ schemes in the catchment areas of the reservoirs mentioned in para 2 of the letter

The Director of Agriculture has also been requested to undertake thereon the extent of work to be done along with the rough cost of schemes. further report from C.E (Irrn) may be awaited.

4
21/5

26/5/69

-5-

CE(S) attention may be drawn to this letter dated 11-3-68, — to his proposal regarding naming further cell & reclamation measures again in every 3 to 5 years.

4
7/8

Serial No.7 (Receipt) - Letter No 2470/B1/69-32 dated 27/2/69 from the Secretary, J.B. Board, Bombay

-6-

The letter of the Secy, J.B. Board may be perused. This is a reminder letter

please see Note 1 to Note-4. Reply from C.E (Irrn) is awaited. An Urgent may be sent to Secy J.B. Board

Draft unterim reply to the Secy CWC-Board and draft D.O reminder to C.E(I) Simla with reference to Note-5 are put-up for appl

Sd
13/8
Sd
13/8

Issued D.O reminder No PND 29 Cauvery 64 dt 19/8/69

Serial No. 10 (Receipt) - Letter No DR/TR-21/TBR/Simla-Survey/69-70 dated 8-10-69 from the C.E (I) Simla Bangalore

— 8 —

The letter of the C.E(I) Simla may be perused with reference to Note-5. It is reported that the approval of Govt to the recommendations made in the letter dated 11-3-69 (Vide Page) may be communicated

It is further reported that the Standing Technical Advisory Committee of the Central Board of Irrigation & Power has decided that sedimentation surveys of major irrigation Reservoirs required to be repeated after five years. Arrangements were accordingly being made for the sedimentation surveys to be conducted again at Tungabhadra Reservoir. But in the meantime, the Sub-Division during the Floodes was transferred to the control of C.E (I) Simla at the time of Reorganisation of the Dept. Hence it was not possible to start the sedimentation survey work

For orders

Sd
14/8

Please see paras 108 to 117 and 162 to 166 of the notes in Volume I placed below. The letters of the C.E (I)s at Pages 112 to 114 in

WD 01060—G°B—8,00,000 13-12-65

Volume I and that at Serial no 10 in Volume II may please be seen.

The proceedings of the State Technical Advisory Committee (Soil Conservation) meeting held on 6-5-69 have not been received from the CE., Investigation of Projects, yet.

In the meanwhile the CE(I)S States that the Standing Technical Advisory Committee of the Central Board of Irrigation and Power, New Delhi has decided that Sedimentation Surveys of major irrigation reservoirs require to be repeated after 5 years. But, as the Sub-division attending to this work was transferred to the Control of the CE(I)W at the time of re-organisation, the work was not started.

The CE(I)S therefore requests that orders

M. G. S. | Subject: | 5 | File No.

of Government be Communicated on the proposals made by him in his letter at Pages 112 to 114 Cf in Volume I placed below with regard to Conducting Silt and Sedimentation Surveys and Studying back water effects in the Tungabhadra Project.

For orders

14/10

This matter has also been taken up by the T.B. Board — is being dealt with in Rajs Irrg. Secn. The file may be closed.

Ref. Note-9. This file may be closed as class "B"

14/10

14/K

GOVERNMENT OF MYSORE

No. DR/TAD1/TBR/Silt-Survey/69-70/ 2560-62.

Office of the Chief Engineer,
Irrigation (South),
63, Palace Road, Bangalore-1B,
Dated: 8.10.1969.

To

The Secretary to Government,
Public Works & Electy. Department,
'Vidhana Soudha',
BANGALORE.

3908.

R. & I. SECTION
P. W. & Ele. Dept.
No. 3750
Date 9 OCT 1969
Section 04

Sub:- Laying down uniform procedure for conducting Soil Survey in storage reservoir - ~~undertaking~~ undertaking of soil survey work by Mysore Engineering Research Station, Krishnarajasagar - regarding.

Ref:- Government D.O. letter No. PWD 79 GKS 64 dated 19-8-1969.

Sir,

With reference to the above cited letter, I write to state that the approval of Government to the recommendations made in this office letter No. DR/TAD1/TBR/Silt-Survey/4461 dated 11-3-68 may please be communicated.

Further, it is to be stated that the Standing Technical Advisory Committee of the Central Board of Irrigation and Power, New Delhi, has decided that sedimentation surveys of major irrigation reservoirs require to be repeated after 5 years. Arrangement were accordingly being made for the sedimentation surveys to be conducted again at Tungabhadra Reservoir. But in the meanwhile, the Sub-Division doing the studies was transferred to the control of the Chief Engineer, Irrigation (North), Dharwar, at the time of the Re-organisation of the Department. Therefore, it was not possible to start the sedimentation survey work.

Yours faithfully,

8/10/69

for Chief Engineer, PWD.,
Irrigation (South).

7.10

Yours faithfully,

for Chief Engineer, PWD.,
Irrigation (South).

D.O. No. PWD 79 GMS 64

Dear Sir

Sub:- As above

I am directed to invite ~~your~~ attention to your letter No. DR/TAD1/TDR/Vdlt. Survey/4461 dated 11-5-68 and to request that you to intimate the ~~your~~ present ~~your~~ proposal regarding leasing out ~~the~~ Valt and sedimentation surveys ~~being carried out~~ every 3 to 5 years. ~~be carried out and~~ A report in this behalf ~~may~~ be furnished early

Sri. K. Basanna, A.E.
E.E (I) Stn. Bangalore

SE MF7

TUNGABHADRA DAM,
(*via* HOSPET),
BELLRY DISTRICT,
MYSORE STATE.

Dated 27/7/1969 *196*

LETTER NO. 2480/B1/63--32.

From

Shri S. S. Ahmed,
Secretary, Tungabhadra Boar

To

The Secretary to Govt. of Mysore,
Public Works & Electricity Department,
Vidhana Soudha, BANGALORE-1.

2977 Sir,

R. & I. SECTION
P. W. & Elc. Dept.
No. 25616
Date 31 JUL 1969
Section 94

Sub:- Laying down uniform procedure for ~~xxxxxxx~~ Conducting soil survey in storage reservoir _ Undertaking of soil survey work by Mysore Engineer Research Station, Krishnarajasagar - Regarding.

Ref:- Your Letter No.PWD 79 GKS 64 dt. 22.4.69.

--:o:--

I am directed to invite a reference to your letter cited above and to request you kindly to send an early reply in the matter.

Yours faithfully,

S. S. A.

Secretary,
Tungabhadra Board.

Y/enl69

No PWD 79 CRS 69

To

The Secretary,
Tungabhadra Dam
(Via Hospet).
Bellary District

Sir,

Sub:- Dr at Sl.No.1

Ref:- Your letter No.2440/B1/69-72
dated 27/7/69

With reference to the letter cited above, I am directed to state that the results of soil survey work of the M.E.R.S. & R. Sagar are still under scrutiny and if any conclusions are arrived at the same will be communicated to you

Serial No 6

GOVERNMENT OF MYSORE

-S-

OFFICE OF THE
CHIEF ENGINEER, P. W. D., INVESTIGATIONS
HYDRO-ELECTRIC PROJECTS,
ANANDARAO CIRCLE, POST BAG No. 8,
Bangalore-9, dated 19 MAY 1969.

No. CEIH/ STAC/SC/III/TA3

Encl :

To

The Secretary to the Government of Mysore,
Public Works and Electricity Department,
"Vidhana Soudha", Bangalore - 1.

2118
R. & I. SECTION
P. W. & E. D.
No.
Date 21 MAY 1969
Encl. 1.0

Sir,

Sub:- Laying down uniform procedure for conducting of silt survey in storage reservoirs - undertaking of silt survey work by Mysore Engineering Research Station, Krishnarajasagar Regarding -

Ref:- 1) Government letter No. PWD 79 GKS 64 dated 19-7-68.
2) This office letter No. CEIH/STAC/SC/III/TA3 dated 2-5-69.

--

1 The meeting of the State Technical Advisory Committee (Soil Conservation) was held on 6-5-69. The Chief Conservator of Forests and the Director, Mysore Engineering Research Station, Krishnarajasagar attended the meeting while the Director of Agriculture and the Chief Engineer, Irrigation Projects (South) had sent their representatives. Other members did not attend the meeting. The proceedings of the meeting is being forwarded to Government separately.

2 The subject of planning phased soil conservation measures in the catchment areas of Tungabhadra and other major reservoirs in the State was discussed in detail. It was felt that first of all investigations for the preparation of soil conservation schemes should be undertaken without delay and a master plan prepared. This involves huge amount of work and it was felt that a cell consisting of officers from Public Works Department, Forest and Agriculture would be necessary and that it would not be possible to attend to this office with the existing staff. The committee felt that the Department of Agriculture is the appropriate Department and the Director of Agriculture was therefore requested to forward proposals for setting up such a cell for investigation and preparation of soil conservation schemes in the catchment areas of the following reservoirs :-

Under operation	Under construct
1. Tungabhadra	1. Ghataprabha
2. Krishnarajasagar	2. Malaprabha
3. Kanva	3. Almatti
4. Nugu	4. Narayanapur
	5. Kabini
	6. Honavathi
	7. Harangi

The Director of Agriculture has also been requested to indicate therein the extent of work to be done along with the rough cost of schemes.

Yours faithfully,

CHIEF ENGINEER,
Investigation of HE and IP.

GOVERNMENT OF MYSORE

OFFICE OF THE
CHIEF ENGINEER, P. W. D., INVESTIGATIONS
HYDRO-ELECTRIC PROJECTS,
ANANDARAO CIRCLE, POST BAG NO. 8,
Bangalore-9, dated 2nd May APRIL 1969.

No. CEIH/ STAC/SC/III/TA3
Encl :

To

The Secretary to the Government of Mysore,
Public Works and Electricity Department,
Vidhana Soudha, Bangalore - 1.

Sir,

1915
I. SECTION
P. W. & E. D.
No 11271
Date 3 MAY 1969
Section 69

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir - undertaking of silt survey work by Mysore Engineering Research Station - regarding -

Ref:- D.O.letter No. PWD 79 GKS 64 dated 22-4-69.

With reference to the above, I write to state that a meeting of the State Technical Advisory Committee (Soil Conservation) is proposed to be held on 6-5-69. The subject of planning phased soil conservation measures in the catchment areas of Tungabhadra and other major reservoirs in the State, is included in the Agenda for discussion. The decisions taken by the Committee will be communicated to Government in due course.

Yours faithfully,

ARRao

for Chief Engineer, PWD,
Investigation of HE&IP.

APRIL 1966.

The Secretary to the Government of Mysore,
Public Works and Electricity Department,
Vidhana Soudha, Bangalore-1.

Sir,

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir - undertaking of silt survey work by Mysore Engineering Base Tech Station - reporting -

Ref:- D.O.letter No. PWD 79 WRC 64 dated 22-4-65.

With reference to the above, I write to state that a meeting of the state technical Advisory Committee (Silt Conservation) is proposed to be held on 6-6-65. The subject of planning phased silt conservation measures in the catchment area of Tungabhadra and other major reservoirs in the state, is included in the agenda for discussion. The decisions taken by the Committee will be communicated to Government in due course.

GOVERNMENT OF MYSORE

No. PWD 79 GKS 64

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 22-4-1969

FROM

The *Secretary to the Government of Mysore,*
Public Works & Elecy. Department,
Bangalore.

To.

The Secretary,
Tungabhadra Dam,
(Via. Hospet)
Bellary District.

Sir,

Sub:- Laying down uniform procedure for conducting soil survey in storage reservior - Undertaking of soil survey work by Mysore Engineer Research Station, Krishnarajasagar - Reg.

Ref:- Your letter No. 2480/B./63-31 dated 11-3-69.

* * *

With reference to the letter cited above, I am directed to state that the results of soil survey work of the M.E.R.S. Krishnarajasagar are still under scrutiny and if any conclusions are arrived, the same will be communicated to you.

Yours faithfully,

Issued
Dated 22/4/69

(S.K. Mohan)
Under Secretary to Government
Public Works & Elecy. Department
(Technical)

hvj/- 16/4

Shri S. K. Mohan
U.S./~~D.S.~~
P.W.D. (Irrigation).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated, 22-4-1969

D.O.NO.PWD 79 CRS ''

Dear Sir/~~Shri~~.

Sub:- Dr at 2 sl No. 2

~~Ref:-~~

I am desired to invite your attention to ~~this~~ your Office letter No. ~~PWD~~ ಕಾರ್ಯದರ್ಶಿ ST ಪ್ರ ಸ. III TD 3 dated 7/10-1-69 ~~dated~~ ~~and the subsequent D.O. reminders dated~~ and to request that reply thereto may kindly be expedited, as the matter is ~~long pending~~ urgent.

Yours sincerely,

Shri. M. V. A. Selvy, B.E., M.I.E.
C.E (Investigation of Projects)
Bangalore

Serial No. 2

TUNGABHADRA DAM
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE

Dated 11/3/1969 196

LETTER NO. 2480/B1/63---31.

From

Shri S. S. Ahmed,
Secretary, Tungabhadra Board.

To

The Secretary to Govt. of Mysore,
Public Works & Electricity Department,
Vidhana Soudha, BANGALORE-1.

Sir,

Sub:- Laying down uniform procedure for conducting soil survey in storage reservoir - Undertaking of soil survey work by Mysore Engineer Research Station, Krishnarajasagar - Reg

Ref:- Your letter No.PWD 79 GKS 64 dt. 10-4-1968.

--:oo:--

I am directed to invite a reference to your letter cited above and to request you kindly to favour me with an early reply in the matter.

R. & I. SECTION
P. W. & E. D.
No. E-2504
Date 13 MAR 1969
Station 49

Yours faithfully,

Secretary,
Tungabhadra Board.

Sastry/-10.3.

Serial 86-1

GOVERNMENT OF MYSORE

M.V.A. SETTY, B.E., M.I.E.,
CHIEF ENGINEER, PWD,
Investigation of Hydro Electric
& Irrigation Projects,
Ananda Rao Circle.

Bangalore - 9,

Dated: 7th JANUARY 1969.

D.O. NO. CEIH STAC SC III TA3

Dear Shri Venkataramu,

Sub:- Laying down uniform procedure for conducting of silt survey in storage reservoirs - undertaking of silt survey work by M.E.R.S. regarding -

Ref:- D.O. letter No. PWD 79 GKS 64 dated 19-11-68.

With reference to ~~your~~ D.O. letter cited above, I write to state that details of the programme of afforestation and contour bunding in the catchment areas of major river valle projects were called for from the Chief Conservator of Forests and the Director of Agriculture for being compiled, discussed in the State Technical Advisory Committee (Soil Conservation) meeting and to evolve a scheme for a phased programme . The information is received from the Director of Agriculture wherea it is still awaited from the Chief Conservator of Forests. As such the meeting of the State Technical Advisory Committee (Soil Conservation) could not be convened. The Chief Conservato of Forests has beem expedited by a D.O. letter.

On receipt of the details from the Chief Conservat of Forests, a meeting of the State Technical Advisory Committ (Soil conservation) will be convened. The scheme to be drawn for phased soil conservation measures in the catchment area of Tungabhadra and other reservoirs will have to be discussed and decided in this meeting and the decisions taken by the committee will be communicated to Governmment.

Yours sincerely,

(M. V. A. SETTY)

Shri G.V. Venkataramu, B.E., M.I.E.,
Joint Secretary to the Government of Mysore,
Public Works & Electricity Department,
"Vidhana Soudha", Bangalore - 1.

PWD 74 MKS 62/B1/63-64

TUNGABHADRA DAM,
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE

Dated 6 / 5 / 1964.

LETTER NO. 2480/B1/63--1.

From

Shri G. N. Pathak,
Secretary, Tungabhadra Board.

To

The Secretary to the
Government of Mysore,
Public Works Department,
BANGALORE.

Sir,

MYSORE (C.T. SECRETARIAT) N- 2309 8 MAY 1964 P.W.D. (RECEIPT & ISSUE)

Sub:- Laying down uniform procedure for co ducting the silt survey in storage r servoir - Under taking of silt surve work in Tungabhadra Reservoir by the Mysore Engineering Research Station, Krishnarajasagar - Regarding.

Ref:- Your letter No.PWD 74 MKS 62 dt.27-4

I am directed to invite a reference to you letter cited above and to request you kindly to send me a copy of the report on silt surveys of the Tungabhadra Reservoir if it is ready by now

Yours faithfull

(G.N. PATHAK
Secretary,
Tungabhadra Boar

*Sastry/-5.5.

From C.M. Pathak,
Secretary,
Tungabhadra Board.

Shri G. N. Latha,
Secretary, Tungabhadra Board.

No. T.B. 6492/PB/62-1. Dated 27-4-63.

Sir,

Subject:- Tungabhadra reservoir - Reporting.

Ref:- Your letter No.PWD 76 WPH 62 dt.27-4-63.

I am directed to invite a reference to your
letter cited where you request for early
receipt of the report on silt survey of
Tungabhadra reservoir if it is ready by now.

Yours faithfully,

(C.M. PATHAK)
Secretary,
Tungabhadra Board.

The Secretary to the
Government of Mysore,
Public Works Department,
BANGALORE.

S.O.:- Trying down uniform procedure for conducting the silt survey in storage reservoir - Under taking of silt survey work in Tungabhadra reservoir by the Tungabhadra Board - Reporting.

Phy 7158/81/Vol 6

the DO. MERS/De/81/709/64-65 dt 21-7-
in the dir. MERS to Sagar.

P. put is for perusal at page 4 C.
w.r. to ~~ltr~~ dt 27-6-64 (P. 2 C). It
is reported that the report on silt surv
of Tungabhadra Reservoir is not yet ready & it
will be sent to Secy Tungabhadra Board wh
it is completed. This is for perusal. no
further action is due. ~~Ack~~ This will be ~~rec~~
recorded as ~~w~~ if approved.

27/7

29.7.64.

(7)

29/7

D. Ideal

30/7

Letter no. 2880/31/63 B dt 8-9-64
from Secy TBBd.

The letter of Secy TB Bd is for
perusal at page 5 C which is a
reminder. Dept. is invited to para 6 above
according to which a draft reply to Secy
is put up for approval.

Silt survey in Tungabhadra

Mysore Government Secretariat

[App. F. III

File No. of 196 .

PWD 79 Efforts

Serial No.	
11)	Reply awaited. A draft reminder is put up for approval. 30/11 Sue
12)	1.12.64
(13)	ISSUED Dated....2./12/64

(i) Letter no MER/Hyd-81/TP1/1683-84/64 dt 9-12-64 from the Director of MER.

(ii) Letter no 380/P dt 9-12-64 from the CE IP, Bangalore

14) Put up at 5 m/s is for perusal at page 10 C/F wherein the Dir MER has reported that the report under preparation. The CE IP in his letter at page 11 C/F (portion marked) has sought for clarification as whether this report when it is re could be supplied to JB Board this connection it may be pointed here that as stated in 11 above it was decided to make available a copy of report to JB when it becomes ready. This was communicated to JB Bd & in this file also a commitment has already been made for more than one occas

File No.
PWD 79 GRS 64.

Serial No.

However the proposal of CE is now for consideration & orders.

19/3/65

M. CHANNAPPA,
Dy. Secy. to Govt. P.W.D. (Irrgn.)

5) The C.E. may be asked to furnish the MERS Report to Govt. so as to examine the same from inter-State angle.

9/3/65

Secy

JS.

21/3

6) _____

DS (CI)

22/8/65

17) Ref paras 15 to 16 ante, a draft letter is put up for approval

24/3

18) Issued

29/8/65

(19) Issued Dated 6/4/65

WD-010154-GPB-PZS-8,00,0

MATTERS WHICH CAME UP AT THE TIME OF THE TUNGABHADRA MEETING AT HYDERABAD - ORDERED TO BE PUT UP ON RETURN TO HEADQUARTERS.

18 6. Tungabhadra Project - Silt Survey - sending the report of silt survey to the Board and also regarding the purchase of the echo depth sounder.

(19) Further orders of the Secy. Power

This may be put up with note along with the relative file."

MYSORE GOVT. SECRETARIAT
No. 142/18
1 MAR 1965
PUBLIC WORKS (MAJOR IRRIGATION)

1) Ref. paras 1 & 2 above it may be pointed out here that the Chief Engr (I) has reported to Govt. stating that the silt survey report conducted at the Tungabhadra project by the Mysore Engg Research station is now ready and whether it could be made available to T.B. Board. When the file was submitted to the Joint Secretary the J.S has passed orders on the file as under

"

The CE may be asked to furnish the MERS report to Govt. so as to examine the same from inter state angle

Sd/- 22/3/65 Sd/- Jt. Secy 19/3/65

PWD 294/PW1/65-65.

In the light of the above orders a draft letter has already been put up in the connected file calling for draft report. On its receipt further action will be taken in the matter.

This may be brought to the notice of Secy W.R. to ~~the~~ para 1 above

9/3/65

2) Reference marginal notes (para 4) the connected file PWD 79 ~~65~~ 66 is now placed below. The letter addressed to CEIP is flagged "R"

5/4 6/4/65. From para 1 supra for R

7/4/65

(Secy P.WD)

M. CHANNAPPA,
Dy. Secy. to Govt. P.W.D. (Irrgn.)

SECRETARY TO GOVERNMENT
PWD/2383

2) 8/4

-6) for speaking

8/4
10/4

PWD/2393

-7) Spoken. Pl put up in the Original file

11/4/65

8) Ref para 7, the connected

Reference and markings	Notes and Orders

Closed file No PWD 24 MKIG is obtained from Records & placed below for perusal as desired. The letters issued are flagged C & D in that file.

US 10.5.65.

S.No 16 - D.No 496/9D/99/65.

Addl as per orders on the P.D is put up for consideration

US 11.5.65

11/5/65

ISSUED
Dated..

Letter M. 555/IDR/254-256/65-II dated 20/5/65 from the Director, M.G.R.S & R. Nagar

1672/65

The letter at page 19/C is for kind perusal. Further report from the Director M.G.R.S and C.E (DP) may be awaited.

DR 25/5 US 26.5.65

27/5/65

TD

Note Continuation Sheet

Subject Tungabhadra Project – Silt survey – File No. [illegible]
Sending the report of silt survey to the Board

WD 014899—GPB—3,00,000—5-12-64

Reference and markings	Notes and Orders	Para Numbers

Serial No 20 (Receipt)

The letter at Page 20/c is for kind perusal

Orders of the Deputy Secy on the "Director, M.E.R.S & C.E (Investigation) may be empowered in the matter".

(Sd) M.G. 31.5.68
Dy Secy, P.W.

Draft letter to the ~~Director, M.E.R.S. and~~ C.E (Invn) is put up for approval

SR 1/6 1.6.68

3/6/68

Serial No. 23 (Receipt)

The letter at Page 23/c is for kind perusal. The C.E, Investigation of projects has reported that the echo depth sounder taken on loan from the Tungabhadra Board will be useful and it is desirable to purchase two instruments. It is further reported that the Secretary, Tungabhadra Board may be authorised that the echo depth sounder may be transferred on a permanent basis.

As the C.E (OP) is of the view to purchase the echo depths sounder, the Secretary, T.B. Board may be authorised that the instrument under reference may be transf

Note Continuation Sheet

Subject: Tungabhadra Project - Soil Survey Work in Thungabhadra Reservoir by the Hydro Engineering Research Station, K.R. Nagar

Reference and markings	Notes and Orders

on a permanent basis. Draft letter to the Secretary, T.B. Board is also put up for approval

Sd/-
19/6

The letter of the Secy. T.B. Board at page 20/ante may kindly be perused. The C/E (Inv.) who was asked to furnish his report in the matter, has reported (Page 23/ante) that the echo depth Sounder taken on loan from the T.B. Board will be useful in his Zone, and therefore requests that the same may be got transferred permanently. The cost of the equipment is not known. It is for consideration whether the Secy. T.B. Board may be asked to intimate the cost of the equipment to enable this Govt to sanction the purchase.

Sd/-
19/6

Let us know the cost before the decision is communicated. Pl address Secretary T.B. Board to intimate cost.

24/6/65

Note Continuation Sheet

Subject..... Silt Survey - conducting silt survey in the Tungabhadra Reservoir on a permanent basis

WD 014893—31

Reference and markings	Notes and Orders

Draft letter to the Secretary, Tungabhadra Board is put up for approval (Vide para 39/n 37)

26/6 26/6

1/7/65

ISSUED

Dated. 2/7/65

Serial No. 26 (Receipt)

The letter at page 26/c is for kind perusal. The Secretary, Tungabhadra Board has requested whether the echo-depth sounder may be given to the Govt of Maharashtra on loan basis pending final decision to be taken by ~~Govt~~ Govt regarding its purchase. It is reported that the E.E. Irrigation Branch of the Board has intimated that the echo-depth sounding equipment has been brought from 31-5-65 by the Asst Engineer, Dead Works Sub-Division

please ~~see~~ see the letter dated 2/7/65 wherein we have requested the Secretary, Tungabhadra Board to intimate the cost of the echo-depth sounder and reply from him is being awaited

For orders

30/7 Pending receipt of reply from the T.B. Board to our letter dated 2-7-65 (Page 25/c), if approv

Note Continuation Sheet

Subject: Sedl. Survey = conducting sedl- survey in the Tungabhadra Reservoir on a permanent basis

Reference and markings	Notes and Orders
	The Secy. T.B. Board. may be informed that the machinery and Equipment are Required by our Govt.
	yes. M. draft to-day. 3/7 5/7/65
	Draft letter to the secretary, Tungabhadra Board as put up for appl with reference to para 4 5/ns
	5/7 5/7/65
	ISSUED Dated 5/7/65
	Serial no. 29 (Receipt) The letter at page 29/c is
2.7.65	for kind perusal. The secy, Tungabhadra Board has reported that he has requested the C.E, Investigation Branch of the Board to undertake the exact cost of the echo-depth sounder sent to the Director, M.G.R.I. K.R Sagar. further report from the secy Tungabhadra Board may be awaited
	2/7 5/7/65

Note Continuation Sheet

Subject Soil Survey - conducting soil survey in the Tungabhadra Reservoir on a permanent basis

File No.

WD 014899—GP B—3,00,000—

Reference and markings	Notes and Orders	Para Numbe

Serial No. 30 (Receipt)

The letter at page 30/cs is for kind perusal. Please see Govt letter dated 6/4/65 at page 14/cs wherein the C.E. (OP) was requested to forward a copy of the report on soil survey of Tungabhadra Reservoir for examining the same from underwater angle. So far copy of the report under reference has not yet been received so far from the C.E (OP), draft D.O reminder is put up for approval

for
27/7/65

28/7/65

Issued
Dated 28/7/65

Serial No. 33 (Receipt)

The letter at page 33/cs is for kind perusal. The Secy, T.B. Board has reported that the Tungabhadra Reservoir touched 1585.90 on the 15th Sep 1965 and the level has a mixed trend since then it is further reported that since the Director, M.E.R.S did not come to Tungabhadra dam when the Reservoir was low, no useful purpose ... by him ... evening ...

Reference and markings	Notes and Orders	Para Number

perhaps he intimated as in Para 19 C/P. 20 (in CE) may be reminded to furnish his report regarding Silt Survey.

53

Yes.

LG
16.8.65:

11/8/65

Serial No. 34 (Receipt)

54

The letter at page 34/CS is for kind perusal. The Secy, T.B. Board has requested in Govt letter dated 2-7-65 to intimate the cost of the Echo Depth Sounder sent to the Director, M.E.R.S. & R. Sagar. Now the Secy T.B. Board in his letter dated 11-8-65 has intimated that the cost of the Echo-Depth Sounding equipment is Rs. 19,687-52 and has requested whether the Govt of Mysore would like to purchase the equipment at the said cost in order to take further action.

55

In this connection, the CE (PP) has furnished his remarks in his letter dated 11-6-65 and the same may be perused. It is requested that the echo-depth

Note Continuation Sheet

PWD 79 GRS 64

Subject Silt survey — conducting silt survey in the J.B. Reservoir on a permanent basis

File No.

Reference and markings	Notes and Orders	Para Numbers
	Surveyor will be useful in this zone and the C.E (DP) has requested that the same may be got transferred permanently.	
	Draft letters to the Director M-G R.S and draft DO reminder to C.E (DP) are put up for approval with reference to para 52/ns	5
	For orders with reference to para 55/ns	5
Sd 18/8	The drafts put up are for his approval.	5
	One copy of the echo depth Sounder may be intimated to C.E (DP) and he may be asked to send proposal if he is going to make purchase of the same indicating the provision for the purpose.	5.9.
	US 18.8.65.	
	CE (Mkt) who is now in Chargeg MERS. maybe addressed to forward proposals	6
	On this behalf	
	20/8/65	
	Draft letter to C.E (Comm) US put up for appl (Vide para 60/ns)	61
Sd 21/8	US 21.8.65	
	24/8/65	
	ISSUED Dated 27.8.65	

Note Continuation Sheet

Subject: Machinery and Equipment - Tels - depth sounding equipment

File No. PWD 78 GA 56 G 2733/65

Reference and markings	Notes and Orders	Para Numbers

Serial No 39 (Receipt) The letter at page 38/C is forwarded herewith. In view of the letter already issued by C.E. (Comm), placed at page 38/C, further report from C.E. (Comm) may be awaited

Sd/- 27/9/65

Sd/- 4/9/65

Letter Received from the Secy T & B Board in his letter No 2488/B1/63-II Dt 2/9/65 (C.E. No 2922/4/65)

The P.W.D. is to pursue at page 41/C. The final report from the C.E. Investigation is still awaited. The Secy T & B Board is frequently sending reminders to Govt. If approved, another D.O. letter to be put up to the C.E. Investigation Blue.

A draft D.O. is put up for appl.

Sd/- 12/9 13.9.65

Sd/- 14/9/65

Issued

Dated....

16

Note Continuation Sheet

Subject.....

796/KS64

File No.....

WD 014899—GP B—3,00,000—5-12-64

Reference and markings	Notes and Orders	Para Number

1) letter no. 5356/B1/64-9 Dt 22/9/65
from the Secy TB Board. Bellary (Dnr 3178/66

2) letter no CE 1/1024/Dt 25/9/65 (Dno. 3298/
from CE Investigation of projects-
Bellary

2nd p u D for perusal at pages 68
44 & 45/Cf.

2nd CE Investigation of Projects — 69.
request a copy of Grant
letter no Dt 27/8/65.
If approved a copy will 70
be sent.
Vlb A draft letter is also put up 71.

3079. KK 1.10.65

72

Issued
Dated 11/10/65 ch

e Continuation Sheet

ject..... Silt Survey Works in Tungabhadra File No.....

Reservoir by M.E.R.S. & R. Iyer

Reference and markings	Notes and Orders
82)	Draft G.O on pursuit for approval
	31.12.65.
83)	The Secretary, T.B. Board in his letter dated 22-5-65 has intimated that the "S Echo-depth-Sounder" temporarily loaned to MERS for Conduction of Silt Survey has not yet been ret to Board and also enquired if Govt of Mysor would like to purchase the same. The CE (Inv & Res) on enquiry has intimated in his letter dated 12/11/65 (vide page 55 ante) that the Machi can be purchased at a Cost of Rs 19687-52 debiting the Cost to the Tools and Plant provision of MERS. under 44. I.N.E.D.
84)	F.O. have agreed to the Proposal in para 81 ante. A draft G.O. according Sanction to the above Purchase is noted placed at Pages 56-57 ante which may please be perused and approved.
	Chief Minister)
	5/1/66.
	M. CHANNAPPA, Dy. Secy. to Govt. P.W.D.
85)	5/1/66
	S. NIJALINGAPPA Chief Minister

HE CHIEF MINI
....57
JAN 1966
NGALO

ce Continuation Sheet

bject..... PWD 79 SKS64 File No.....

WD 014899—GPB—8,00,000—

References and markings	Notes and Orders	Para Numbers
	Signed fair copies are placed in the file for communication to the Accountant General. Financial Secretariat. 19/1/66	
	COVT. SECRETARIAT 20 JAN 1966 COMMUNICATION ACCT. GENERAL (PENSION & INSURANCE)	
	How 406 of 20-1-66 20-1-66 D. W T	87
	May issue Jol. paras 81-85 ante. 21/1/66	
	Issue 21/1 S. ABDUL WAJID, Under Secy., Fin. Dept	88
	ISSUED DY. R. D. 21/1	
	Forwarding letter to the Secretary Jungabandra Board as submitted herewith 27/1	90
	Issued Dated 27/1/66	91
	Serial No. 61 (Receipt) The letter at page 60/c is submitted for perusal in view of the orders already issued in G.O. dated 17/1/66. No action is necessary on this letter & may be filed after perused 5/2 Yes file 4.2.66	92

Continuation Sheet

Subject ..... File No PWD 79 Cash

Reference and markings	Notes and Orders	Para Numbers
	Serial No. 61 (Receipt) The letter at page 61/c2 is for kind perusal as the Reply is still awaited from C.E (Irrn), draft reminder is put up for appl SA 23/2 JC. Jose LO 28.2.66	94 95
	MM 7/3/66	
	Serial No. 63 (Receipt) P.W.D is for kind perusal This is only a copy of the O.M issued by the Secretary, T.B Board. No action is necessary on this letter and may be filed after perusal SA 21/3 LO 21.3.66 DS. CM 24/3/66	96
	Serial No. 65 (Receipt) The letter at page 65/c2 is for kind perusal. As the reply is still awaited from C.E (Irrn)., draft D.O. reminder is put up for appl SA 30/3 LO 31.3.66. DS.	97
	Issued Dated 1-4-66 CM 1/4/66	9
	Serial No. 68 (Receipt) The letter at page 68/c2 is for kind perusal As the report from the C.E (Irrn) has not yet been received so far draft D.O. reminder is put up for appl SA 5/4/66 DS. CM 7/4/66	9 11
	ISSUED Dated 13.5.66	

Note Continuation Sheet

Subject Silt Survey Work in Tungabhadra Reservoir by the M.E.R.S., K.R. Nagar

File No PWD 79 GKJ 64

WD 014899—GPB—8,00,000—11-

Reference and markings	Notes and Orders	Para Numbers
	Serial No. 70 (Receipt) The letter at page 69/cs is for kind perusal. Further report from the C.E (Irrn) may be awaited Dr 23/5 (d) 24.5.66 24/5	101
	Serial No. 71 (Receipt) The letter at page 71/cs is for kind perusal. Orders of the Dy Secy PWD on the letter "P.P. urgently" (Sd) M.C. 27.5.66 Dy Secy PWD (I)	102 103
	As the report from the C.E (Irrn) has not yet been received so far, draft D.O reminder is put up for appl. Dr 25/6 Pl. see today's post 25/6	104 105
	Serial No. 72 (Receipt) The letter at page 72/cs is for kind perusal. The C.E (Irrn) in his letter dated 23/6/66 has forwarded a brief report on the silt and sedimentation survey of Tungabhadra Reservoir and a note on the effect of back water in different reaches of Tungabhadra Reservoir and the same is placed below for perusal The above report of the CE (Irrn) is in reference to his letter dated 6/4/65 at page 14/cs. The D.O	106 107

ubject.....

Reference and markings	Notes and Orders	Para Numbers

Board has been sending repeated reminders for the supply of this report to them.

Submitted for orders with draft for Parliament Question.

22/6 CE GS.

29.6.66.

As per the studies under basic and fundamental research sponsored by the Central Board of Irrigation and Power, Silt and Sedimentation Surveys in the Tungabhadra Reservoir were taken up by the Mysore Engineering Research Laboratory some time 1962. The Surveys have been completed and the Director of M.E.R.S. has now sent a brief note on sedimentation surveys of Tungabhadra Reservoir, the same may please be seen at Page 73/c.f. Some time in 1962, the Secretary, T.B. Board had asked this Govt. for a copy of the report on the Silt Surveys conducted in Tungabhadra Reservoir. Kindly see the latest letter from the Secretary asking for 3 copies of the report at Page 71/c.f.

Sedimentation of Reservoirs refers to the deposition of all materials transported by flowing waters whether suspended matter or bed load. Sedimentation is the result of erosion. The control or handling of sediment deposits in Reservoirs is a vital part of any reservoir design. Generally while designing the storage capacity for a reservoir a portion of the storage capacity is provided for dead storage It is assumed that the storage available in thi

p.t.c

Reference and markings	Notes and Orders	Para Numbers

region of dead storeage will be filled up by silt and sediment and the life of reservoir is based on the time taken for the deposition of silt in this portion of dead storage capacity.

The lowest silt level in Tungabhadra Reservoir is at 1550. The capacity in the reservoir upto this level is 53611 acre feet. It is this capacity upto 1550 that can be termed as the dead storage available in Tungabhadra Reservoir. It is seen from the present note of the Director, M.P.I.S. that the annual rate silting in Tungabhadra Reservoir is 503.05 acre feet and the silt already accumulated as on the period when these surveys were conducted is 4,10,500 acre feet. The note further mentions that about 45.54 per cent of the dead storage and 13.38 per cent live storage has already silted up. The details as to how these percentages have been arrived at are not mentioned in the note. Further it can be seen that if 45.54 per cent of the dead storage has already silted up in this brief period of about 10 to 15 years. The balance of dead storage available can be expected to be silted up in another 10 to 15 years. This is certainly a very dangerous situation frought with great consequences. It would mean that after the dead storage is filled up the two canals now functioning at the low levels of 1550 + 1560 will cease to function possibly much before the Ayacut has developed. It is not known if the Chief Engineer, Investigation who has forwarded this note of the Director, M.P.I.S. has

Subject:

WD 01050—GPB—8,00,000 13-12-65

examined the report of the Director, M.E.R.S. in this ~~light~~ line, since the detailed calculations as to how the figures mentioned in the note have been arrived at ~~are~~ one not given, the exact implications ~~may not~~ Cannot be analysed.

111) Generally as per the analysis carried out by Dr. Kosla on the Siltation in the various Reservoirs existing, it was laid down by him that the average rate of silting ~~on~~ a reservoir could be taken as 75 ~~acre~~ feet for every 100 Square Miles of Catchment area. In the present case of Tungabhadra Reservoir ~~it is~~ has reported by the Director, M.E.R.S. that this rate of silting is 377.29 acre feet for every 100 Square Miles. This is about five times the average figure ~~worked out~~ by Dr. Kosla in his note on silting up of reservoirs.

112) Apart from this, along with the note on the silt and sedimentation a note ~~to~~ regarding the effect of back waters in different ~~reaches~~ of Tungabhadra Reservoir has also been received from the Director, M.E.R.S. Please see Flag-N of the File. In December 1964 vide Page 11/c.f. the Chief Engineer, I.P. had asked this office if the note on the back water calculations and silt sedimentation surveys be given to the Chief Engineer, Irrigation Branch, Tungabhadra Board for his ~~opin~~ information. Kindly see Paras 15, 16 of the note file ~~wherein~~ wherein, it has been ordered that the reports may be got from the M.E.R.S. so that, Govt. may examine the same from inter-state angle.

113) According to the back water effect calculations done by the Mysore Engineering Research Station, it is seen that for a discharge of 3½ ~~and~~ lakhs Cusecs in the river at Tungabhadra Dam, the water level has been worked out as about 1653. This when compared to with F.R.L. and M.W.L. ~~at~~ 1633 provided for in Tungabhadra Reservoir looks a little abnormal. The calculations and the note would mean

that there will be ~~submergence~~ fore shore on the ~~fore~~ shore of the Reservoir upto 1653 i.e., about 20 feet higher than the maximum water level in the Reservoir. At present lands in the ~~fore~~ fore shore have been acquired upto about 5 feet higher than the M.W.L. and according to the present report ~~the distance it does~~ land lying in further 15 feet has to be acquired.

114) The Chief Engr. Investigation has not given any comment on this aspect of the note. In my opinion, since these levels have been worked out by taking into account the water surface as existing with the Dam existing the calculations which are generally applicable for back water calculations may not be quite correct in the present case. This aspect needs examination and comment by the Director, M.E.R.S. The Chief Engr. Investigation may be asked to examine the reports of the Director of M.E.R.S. on the lines indicated in the above Paragraphs and furnish his comments.

115

116

7/7/66

117) The figures of submergence at upper end of back water are alarming if the case is correct; at least in the latter case it has not been so far

JOINT SECRETARY TO GOVT. 1153043 6 JUL 1966 PUBLIC WORKS

SECRETARY TO GOVT. PWS 4149. Dt. 22 JUL 1966 PUBLIC WORKS

PWD 79 GKS 64

Subject: Soil and environmental survey of Jungabhadra Reservoir

File No.

WD 01050—GPB—8,00,000 13-12-65

However as suggested in the note C.E now may be addressed. We may also obtain the details of the calculations etc from MERS

26/7/66

25/7

26/7

U.S.

118) Draft letter to C.E (Irrn) Vide put up for appl (Vide para 117/ante)

4.8.66

119) Done

9/8

Issued
Dated 10/8/66

Serial No. 81 (Receipt)

120) Of the letter at page 81/ante Vide for kind perusal.

121) Sanction was accorded in G.O. Ms. No. PWD 79 GKS 64 dated 17-1-66 for the purchase of Echo-Depth sounding equipment to M.E.R.S., K.R. Sagar at a cost of Rs. 19,687.52

122) The C.E (PP) in his letter dated 6/8/66 has stated that it was reported by the Director, M.E.R.S., K.R. Sagar that the Executive Engineer, J.B. Dam has raised a bill of cost amounting to Rs. 23,036-60 and he reported that the centages added by the

File No. PWD 79 GKS 64

J.B. Board are the charges especially levied in such sale transactions and hence recoverable. It is further reported that the above equipment is a foreign equipment with no indigenous equivalent and the possession of one such equipment will be very useful for carrying out marine surveys

123) In the circumstances, the C.E (Irrn) has requested orders of Govt for the purchase of the equipment at a cost of Rs. 23,037/- in modification of G.O. dated 17-1-1966

124) For orders with the concurrence of F.D.

Submitted. 125) FD may see and advise.

Dy FD

MYSORE GOVT. Date 31 AUG 1966 FINANCE DEPT. (EXPTL. & ...)

M. CHANNAPPA.
Addl. Secy. to Govt. P.W.D. (Irrn.)

G.O.No.3914/66

Finance Department:
Works & Schemes- I.

126) F.D. agrees to the proposals made by C.E. since 10% centage charges seem to have been levied on the analogy of the provisions of para 202 (e) of M.P.W.D Code.

S Abdul Wajid
(S.Abdul Wajid),
U.S.,F.D.,(W S).

7/9/66

Subject: 29 File No. PND 29 GKS 64

WD 01050—GPB—8,00,000 13-12-65

127) paras 120 to 126/ns may be perused. The Finance Dept has agreed to the proposal of C.E (Comm) in para 126/ns. Draft G.O. as put up for appl.

9/9 up 12.9.66 12/ for perusal before issue.

Ds

4 19/9

128) Issue 4 19/9

DM 14/9/66

4.S.

Signed fair copies are placed in the file for communication to the Accountant General.

Financial Secretariat.

16/9

130) Please see no. 10226 of

16/9

D WP

131) May be communicated.

17/9/66

132) Issue

17/9

S. ABDUL WAHID,
Under Secy., Fin. Deptt.

ISSUED
Dy. F. Dt.
17/9

Issued
Dated 21.9.66

31 PWD 79 GKS 64

Subject: Silt and sedimentation survey of Tungabhadra Reservoir — **File No.** 2892/61

WD 01050—GPB—8,00,000 13-12-65

Serial No. 1 (Receipt)
Serial No. 2 (—do—).

(1) The letters at pages 1-2/c2 are for kind perusal

(2) The main file No. PWD 79 GKS 64 has been referred to Finance Dept on 24/8/66 and the same is being awaited. This will be again submitted after the return of the main file from Finance Dept

29/8/66 U.S. 24.8.66.

30/8

(3) The file No. PWD 79 GKS 64 once received from Finance Dept. is submitted herewith for kind perusal

(4) The Secretary, T.B. Board in his letter dated 17/8/66 has requested copies of the report on the silt survey work in Tungabhadra Reservoir carried over by the Director, M.E.R.S. K.R. Nagar. The question of furnishing a copy of the report on silt surveys conducted in Tungabhadra Reservoir is still under consideration of Govt.

(5) The C.E (Irrn) in Govt. letter dated 10/8/66 has requested to examine the reports of the Director of M.E.R.S. on the lines indicated in paras 110 to 115 of the note bk. Now the C.E (Irrn) in his letter dated 24/8/66 has reported that the Director, M.E.R.S was entrusted with the work of carrying out a survey of silt and sedimentation and working out the backwater effect in the Tungabhadra Reservoir and reporting the findings and this has been completed and forwarded in his letter dated 23/6/66 by the S.E in charge of the Tungabhadra

Reservoir of the Tungabhadra Board as the case may be to study the bundings and take necessary measures. In the circumstances, the C.E (Irrn) has suggested that the C.E. concerned may be directed to obtain any further information required from the Director, M.E.R.S., K.R. Sagar.

For orders

If approved the report regarding the Silt Survey furnished by the Director M.E.R.S. will be sent to C.E(PP) and he will be informed of the observations at para 8/10-11 and a report will be called for.

U.S. 4/10

1.X.60

3/10

Draft letter to C.E (PP) is put up for approval (Vide para 13/ante)

U.S. 5/X/60

5.X.60

14.10 [illegible]

[illegible]

Secretary (P.P. & Res.)

The letter at page 92/ca is for kind perusal. The Secy, T.B. Board has requested copies of the report on the Silt-Survey work in the Tungabhadra Reservoir carried over by the M.E.R.S. K.R. Sagar. As the question of furnishing copy of the above report is still under consideration of Govt, it is for orders whether an interim reply may be sent to the Secy, T.B. Board in view of cases in para 15/ante.

U.S. 20/X/60

20.X.60

PDA 79 Gen 64

Subject: 33 **File No.**

WD 01050—GPB—8,00,000 13-12-65

145) Draft interim reply to the Secy, T.D. Board is put up for appl (Vide para 141/ante)

Sr
24/11/66 U.S.
24.xi.66.

145) Done
24
29/11

Issued SS
Dated 27-10-66

Serial No 95 (Receipt)

146) The letter at page 97/c is for kind perusal. The C.E (OP) in his letter dated 9-11-66 has reported that the enclosure to Govt letter dated 14-10-66 has not been received in his office. It is verified from the dispatching section that the enclosure to the above Govt letter has been sent on 14-10-66 and if appeared that the C.E (OP) will be intimated accordingly. Draft letter is also put up for appl

Sr
24/11/66 U.S.
26.xi.66

145) Done
24
26/11

29/11/66

Serial No. 98 (Receipt)

146) The letter at page 98/c is for kind perusal. As the Report from the C.E (OP) is still awaited, draft reminder is put up for appl

Sr
28/12

146) M. Done
28/12/66.

Issued
Dated 30/12/66

PNA 79 GK 564

Subject: Field survey work by M.E.R.S, K.R.Sagar

File No.

Serial No. 100 (Receipt)

148) The letter at page 100/C is put up for kind perusal. This is a reminder from the Secy, J.B. Board. As the reply from the C.E (SP) is still awaited draft D.O reminder to C.E (SP) is put up for appl

Sr 3/3 Up 4.3. 6.3.67

149) Done & put up another interim reply to Secy. T.B

Up 6/3

21.3.67

150) Draft interim reply to Secy, J.B. Board is put up for appl (Under para 149/ante)

Sr 1/4/67 Up 4.3 1.4.67

151) Done Up 11/4

Issued 1-5-67

Serial No. 105 (Receipt)

152) The letter of the Secy, J.B. Board is put for kind perusal as an interim reply has already been sent to Secy, J.B. Board in our letter dated 1-5-67.

153) As the reply from the C.E (SP) is still awaited, draft D.O reminder is put up for appl

Sr 7.5 Up 4.5 8.5.67

154) Done Up 8/5

Issued

Ends

Due 12-5-67

M. G. S.

Subject: Silt Survey Work Tungabhadra Reservoir by the M.E.R.S. K.R. Sagar

35

PWD 79 GRS 66

File No.

WD 01050—GPB—8,00,000 13-12-6

Serial No. 108 (Receipt)

155) The letter of the C.E (I P) at page 108/cf is for kind perusal. This is only an interim reply and further report from C.E (I P) may be awaited

24/6

156) Yes. But it is a regular Session

CC

24.6.67

Serial No. 109 (Receipt)

157) The letter of Secretary, O.I. Board at page 109/cf is for kind perusal. This is a reminder letter

158) As the reply from the C.E (I) South is still awaited draft D.O. reminder under the signature of D.S. is put up for appl

12/1/68 + CC DS

12.1.68

159) Jw

16/1/68

ISSUED

Dated.... 23.1.68 ch

Serial No. 112 (Receipt)

169) 160) The letter of the C.E.(I) South at page 112/cf is for kind perusal. with reference to our letter dated 18-10-66 at page 90/cf. He has furnished his remarks on the Silt and Sedimentation of Tungabhadra Reservoir from the report of the Director, M.E.R.S. K.R.Sagar on the Tungabhadra Reservoir. The report as received from the Director, M.E.R.S, was sent to C.E.(I) South in this regard This reference has not been received with his remarks. It may be called from the C.E.

169) 161) From the remarks furnished by the C.E. it appears he has offered his remarks only to the extent of points mentioned in Govt. letter dated 14-10-66 at page 90/cf.. What is his impression of the report in not clear. Besides this, the reply is particularly silent with regard to his line of thinking for counteracting the adverse effects

36

PWD 79 GAJ 15

Subject: Silt and sedimentation survey of Tungabhadra Reservoir

File No. 9

of the sedimentation and Surveys regarding [illegible] waters effects on the dam.

Pr 293 4.5 10.9.68

(162) Kindly see Paras 108 to ~~117~~ 117 and the comments and recommendations received from the Chief Engineer with regards to the same at Page 112 to 114/c.f. The points made out by the Chief Engineer~~are~~.

(1) The rate of silting as worked out by the M.E.R.S. may perhaps be erroneous in as much as the contour interval taken for study and the original bed level of the Reservoir assumed for the purposes of calculation or perhaps ~~to~~ incorrect ~~erroneous~~. Therefore, he has expressed his doubts regarding the correctness of the rate of silting in the Tungabhadra Reservoir and has suggested the conducting of such sedimentation surveys at an interval of 3 to 5 years and for another 10 to 15 years to assess the actual of silting. Further, he has also pointed out that the rate of silting may not be my acute due to the phenomena of the silt being drawn out by the sluices in the Reservoir. He has further suggested that a comprehensive programme for soil conservation in the catchment of the Tungabhadra Reservoir may have to be thought out to improve the erosion of soil into the Reservoir. This problem is not only for the Tungabhadra Reservoir. Accumulation of silt in the Reservoirs is perhaps common to all Reservoirs and therefore comprehensive Schemes for soil conservation in the catchment area of all of our Major Reservoirs will have to be thought out. It would be desirable if the State Technical Committee on soil conservation and Flood Control is requested to go ~~through~~ into this problem and draw out a Scheme for phased soil conservation measures in the catchment area of Tungabhadra

WD 01050—GPB—8,00,000 13-12-65

(20) As regards the back water effected of the Reservoir studied by the M.E.R.S., it has been indicated by the Chief Engineer that the levels are not truly representative and the observed levels are mostly at narrow points where there is bound to be afflux. The Chief Engineer has opined that the back water level may perhaps ~~be~~ very from 5 feet near the Dam to 20 feet at the farthest corner, and has suggested therefore that the study at the back water effects should be carried out for a further period of 4 to 5 years so as to arrive at a correct picture of the maximum water level reached on the fore-shore of the Reservoir. According to the Chief Engineer, the occurrence of such high floods is rare and that the duration is short, and therefore there may be no necessity to acquire the land up to the afflux level on the foreshore. Whenever any damage occurs to the crops or land we may have to pay compensation for the same. In other words, we may acquire lands according to the Chief Engineer up to the normal level to which waters spreads over on the foreshore in the Reservoir when the lake is still and this level will certainly have to be observed actually on the ground.

(21) ~~The Chief Engineer~~ and The Secretary, Tungabhadra - Board has been reminding Govt. for furnishing him a copy of the silted and sedementation survey report carried out in the Tungabhadra Reservoir. There may perhaps be no objection to furnish to the Tungabhadra Board the report on the rate of silting in the Reservoir as observed by the Director, M.E.R.S. at Pages 73 and 74/c.f. with the remarks that thes studies will have to be continued for a few more years, so that a correct truly representative picture may be got.

DS / JS / for AW

165/20 21/3 G. V. VENKATA RAMU. Jt. Secy. P.W. & Elec. Depts.

164/20 22/3/68 M. CHANNAPPA. Secy. to Govt. P.W.D. (IrrI)21/3

PLAN/GW/63

Subject: Silt and sedimentation survey of Tungabhadra Reservoir

File No.

16/3 I am not sure. The data now available would give any correct picture of the silting problem of the project. It may not be appropriate to supply such faulty information which would lead to wrong conclusion. We may send a reply to the Board after the results of KR Research are under scrutiny & then if any conclusion would be arrived, it will be communicated to the Board.

CA
26/3

4
27/3

39 P2279 Gen

Subject: Silt and sedimentation survey of Tungabhadra Reservoir. File No.

WD 01050—GPB—8,00,000 1

167) Ref para 22/ante. Draft letter to the Secretary, T.B. Board up put up for appl

Jr 4/4 Jmk 4/4

24) [signature] 24 5/4

ISSUED
Dated 10/4/68 dy

25) As per verbal instructions of ups, the paper cutting of the Deccan Herald dated 11-7-68 on the subject regarding Silt deposit in T.B.P Reservoir placed at page 116/c2

Jr 12/7 26) Action taken as noted on page 15 ante. Pl. advise the Secy. State Tech. Committee on Soil Conservation in Tungabhadra Catchment.

[signature] 13/7

27) Ref para 26/ante. Draft letter to the chairman the State Technical Advisory committee on Soil conservation in Tungabhadra Catchment up put up for appl

Jr 16/7 Jmk 16/7

172) [signature] 17/7

ISSUED
Dated 19.7.68

Serial No. 119 (Receipt)
Serial No. 120 (-do-)

172) 28) The letters at pages 119-120/c2 are for kind perusal. The Secy T.B. Board has requested a reply in the matter.

173) 29) please see the letter of the C.E (Irrn) at page 120/c2 wherein he has furnished only an interim reply and the report from the C.E (Irrn) may be awaited

Jr 19/7 174) 30) A reminder to expedite the C.E's reply may be issued after a fortnight.

Jmk 19/7 (Pys)

[signature] 19/7

UO

PWD 15 GFY 14

Subject: Silt and sedimentation survey of Tungabhadra Reservoir

File No.

17) Reply is still awaited from S.E (Tung). Draft D.O. reminder ~~to be addressed~~ is put up for appl

Jr
18/4

4
19/7/1

ISSUED
19.7.68

pendix F. G. –1]

BJECT ..... Ann. cut. page 1 of W.S. .....

(1)

.....

.....

Diary No. of letter replied to..... .....

Mysore Government Secretariat.

( )

the *196* .

Date of issue.....

Signed by.....

The Director,
Mysore Engineering
Research Sch.

Sir,

In forwarding herewith a copy of letter No. 268 63-1 dt 6-5-64 of the secretary Tungabha Board on the subject I am directed to r you to make avail a copy of the repo on Silt Survey if it ready by now with copy to this office.

Yours faith

List of enclosures...1 copy of letter to be typed TB letter 18/6

Copied by .....

Examined by .....

Public Works Department.

The Director,
Mysore Engineering Research Station,
K.R.Sagar.

Sir,

Sub:-Laying down uniform procedure for conducting the silt survey in storage reservoir - Under taking of silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station, Krishnarajasagar Regarding -

---

In forwarding herewith a copy of lettor No.2480/B1/63-1,d 6-5-64 from the Secretary, Tungabhadra Board on the subject, I am to request you to make available a copy of the report on silt surv is ready by now with a copy to this office.

Yours faithfully,
Sd/-
Dy.Secretary to Government, P.W.D(Irri

ACA/

Tungabhadra Dam(via Hospet)
Bellary District,Mysore State,

No.2480/B1/63-1. Dated: 6-5-1964.

From

Shri G.N.Pathak,
Secretary, Tungabhadra Board.

The Secretary to the Govt. of Mysore,
Public Works Department, Bangalore.

Sir,

Sub:-Laying down uniform procedure for conducting the silt survey in storage reservoir - Under taking of silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station, Krishnarajasagar - Regarding -

---

Ref:-Your letter No.PWD 74 MKS 62, dt:27-4-63.

I am directed to invite a reference to your letter cited above and to request you kindly to send me a copy of the report on silt surveys of the Tungabhadra Reservoir if it is ready by now.

Yours faithfully,
Sd/-G.N.Pathak.
Secretary,
Tungabhadra Board.

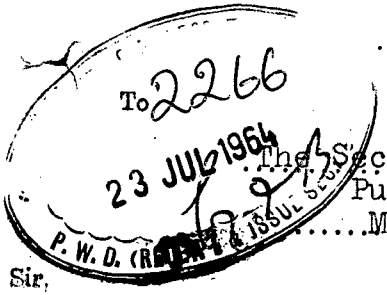
'COPY'

for Secretary to Govt.,PWD.

C.F. No. 45] GOVERNMENT OF MYSORE

No. MERS/DR/SS/ 709 /64-65 OFFICE OF

Encls. *Director,*
Mysore Engineering Research Station,
Krishnarajasagar.



Date 21-7-64

To The Secretary to Government,
Public Works Department;
Mysore Government Secretariat,
Vidhana Soudha, Bangalore-1.

Sir,

Sub: Laying down uniform procedure for conducting the silt survey in storage reservoir- Undertaking of silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station, Krishnarajasagar- regarding -

Ref: Your letter No. PWD 758/GI/ID/64 dat 27-6-64.

--

The report on the silt survey of Tungabhad Reservoir is not yet ready. A copy of the same will be sent to the Secretary, Tungabhadra Boa when it is completed.

Yours faithfully,

Director,
Mysore Engineering Research Station
Krishnarajasagar.

(5)

TUNGABHADRA DAM,
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE.

MYSORE GOVT. SECRETARIAT
No 2841
10 SEP 1964
P. W. D. (RECEIPT & ...)

Dated 6 / 9 / 1964

Letter No. 2480/B1/63-3.

From

G. N. Pathak,
S e c r e t a r y.

To

The Secretary to the Government
Of Mysore,
Public Works Department,
BANGALORE.

Sir,

Sub:- Lying down Uniform procedure for co ducting the silt survey in storage reservoir--Undertaking of silt surv work in Tungabhadra Reservoir by th Mysore Engineering Research Station Krishnarajsagar--Regarding.

Ref:- Your Endorsement No. 758/GI/ID/64 dated 27-6-1964.

I am directed to invite a reference to your Endorsement cited above and to request you kindly to send me a copy of the report on silt surveys of the Tungabhadra Reservoir if it is ready by now.

Yours faithfully,

8/9/64

Secretary,
Tungabhadra Board.

5/9/64

Appendix F. G.—1]

SUBJECT..... At last page 5 cf. (16)

Diary No. of letter replied to .....

Mysore Government Secretariat.

( )

the *195* .

Date of issue.....

Signed by.....

List of enclosures .....

Copied by.....

Examined by .....

Section

File No. PWD EPTS 64.
Dt -10-64.

Serial No.

No.

To

The Secretary,
T. B. Board,
~~Tungabhadra Dam Post~~
-Via Hospet.

Sir,

Ref:- Your letter No. 2480/B1/63
dt 8-9-64

With reference to the communication cited on the above subject I am directed to state that the Director Mysore Engg Res. Station, Kolagar has reported that the report on Silt Survey of Tungabhadra Reservoir is not yet ready & that a copy of the

GOVERNMENT OF MYSORE

No. PWD 79 GKS 64.

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

FROM

Dated, Bangalore, 12-10-....1964 .

Secretary to the Government of Mysore,
Public Works Department.

To

The Secretary,
Tungabhadra Board,
Tungabhadra Dam Post.
Via Hospet.

Sir,

Sub:- Lying down Uniform procedure for conducting the silt survey in storage reservoir - Undertaking of silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station Krishnarajasagar - Regarding.

Ref:- Your letter No.2480/B1/63 dated 8-9-64.

With reference to the communication cited on the above subject, I am directed to state that the Director, Mysore Engineering Research Station, K.R.Sagar has reported that the report on silt survey of Tungabhadra Reservoir is not yet readxiy and that a copy of the report will also be sent to you when it becomes ready.

Yours faithfully,

ISSUED
Dated...13/10/64

13/10/64

(M. CHANNAPPA),
Deputy Secretary to Government,
Public Works Department, (Irrn).

TUNGABHADRA DAM,
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE.

Dated 14/10/ 1964 .

Letter No.2480/B1/63-4.

From

Shri G. N. Pathak,
S e c r e t a r y.

To

The Secretary to the
Government of Mysore,
Public Works Department,
Bangalore.

PWD 15857/I Dig

Sir,

Sub:- Lying down Uniform procedure for conducting the silt survey in storage reservoir - Undertaking of silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station Krishnarajasagar - Regarding.

MYSORE GOVT. SECRETARIAT No 5570 19 OCT 1964 P.W.D. (RECEIPT & ISSUE SECTION)

Ref:- i) Your endorsement No.758/GI/III/64 dated 27-6-64.
ii) This Board's letter No.2480/B1/63-3 dated 8-9-64.

***

I am directed to invite a reference to the letters cited above and to request you kindly to send me three copies of the report on silt surve of the Tungabhadra Board, if it is ready by now.

Yours faithfully,

Secretary,
Tungabhadra Board.

This is for CE section

GOVERNMENT OF MYSORE.

Mysore Government Secretariat,
Vidhana Soudha,

No.PWD 79 [illegible] Bangalore, dated —11—196[illegible]

From

The Secretary to the Govt., of Mysore,
Public Works Department.

To

The Director
Mysore Engg. Res. Stn. KR Sagar

Sir,

Sub:- [illegible]

I am directed to invite attention to the Government letter ~~of even~~ number PWD 758 [illegible] dated 21-7-64 and your letter No. [illegible] dated 21-7-64 on the above subject, and to request you to ~~expedite your reply in the matter within~~ report as to whether the report

o.MERS/HYD-SS/TA1/1683-84/64-65

o

OFFICE OF THE DIRECTOR,
MYSORE ENGINEERING RESEARCH STATION
KRISHNARAJASAGAR.
DATE 9-12-1964

The Secretary to Government of Mysore,
Public Works Department,
Vidhana Soudha, Bangalore-1

Sir

Sub: Laying down uniform procedure for conducting the si survey in storage reservoir- Undertaking of silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station, Krishnarajasagar.

Ref: Your letter No. PWD 79 GKS 64 dated 2-12-1964.

--

The report on the silt and sedimentation surveys of Tungabhadra Reservoir is under preparation. A copy of the same will be submitted to Government shortly.

Yours faithfully,
N Boddiah
Director,
Mysore Engineering Research Static
Krishnarajsagar.

3226

5.12.64

GOVERNMENT OF MYSORE
PUBLIC WORKS DEPARTMENT

(11)

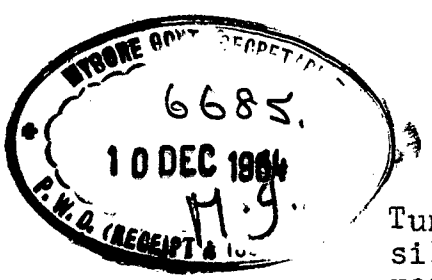
OFFICE OF
The Chief Engineer,
Irrigation Projects in Mysore
Bangalore-1

Dated 9-12-1964

The Secretary to Government of Mysore,
Public Works & Electricity Department,
"Vidhana Soudha", Bangalore-1.

Sri,

Sub:- Tungabhadra Reservoir -- Calculation regardi back water effect on some village on the fore-shore --- Regarding.
Ref:- D.O. letter No.74/64-CE/13 dt.5-12-1964 from the Chief Engineer, Irrigation Branch, Tungal Board addressed to the Chief Engineer, IP, Bangalore (copy enclosed).



The Chief Engineer, Irrigation Branch, Tungabhadra Board requests the data regarding the silt and sedimentation survey of Tungabhadra Reser- voir carried out by the Director, Mysore Engineeri Research Station, Krishnarajasagara. This data contains valuable information regarding the levels of the reservoir and would also be indicative of t capacity of the reservoir.

2. It is for consideration of Government whether this data could be handed over to the Chie Engineer, Irrigation Branch, Tungabhadra Board for his official information, since the Tungabhadra Bo is an Inter-State Body. I request you to convey t orders of Government in this regard.

Yours faithfully,

(I.M. Magdum)
Chief Engineer,
Irrigation Project

Encl: Copy of
DO ltr.

Copy of D.O. letter No. 74/64-CE/13 dt.5-12-1964 from Shri M.B Krishna Iyengar, Chief Engineer, Irrigation Branch, Tungabhadra Board, addressed to Shri I.M. Magdum, Chief Engineer, Irrigation Projects, Bangalore.

Dear Shri Magdum,

Sub:- Tungabhadra Reservoir -- Calculation regarding back water effect on some village on the foreshore - reg..

Kindly refer my DO No.74/64-CE/11 dated 11-10-'64 and my personal discussions with you on 23-11-'64 at Bangalore.

2. You were good enough to promise me that you would be asl Shri Bhatt, Superintending Engineer, Planning to send a copy of tl note and calculations made by Shri Doddiah, Director, MERS. So fa I have not received the same. Would you kindly instruct the conce staff of your office to send it very early. Also the silt and Sur Sub-Dn. Munirabad has prepared a plan showing the data collected i respect of the Tungabhadra Reservoir and a copy of some details of the same would be useful to this office in connection with a decis to be taken by the Tungabhadra Board regarding acquisition of fore shore villages. The Secretary to Govt., PWD, ~~xixx~~ Mysore also sug ested at the last Board meeting when this matter came up for disc ion that I should contact you and get the details available with ou early.

3. I would therefore request you to arrange for the forward f the report of Shri Doddiah as also to instruct your Assistant ngineer Silt and Survey Sub-Dn., Munirabad to furnish the details vailable with him and required by this office.

Thanking you,

Yours sincerely,

Sd/- M.B.Krishna Iyen

/True copy/

9.12.64.

Appendix F. G. –I]

SUBJECT ..... As at page 11 Cr .....

.....

.....

Diary No. of letter replied to..... .....

Mysore Government Secretariat.

Section

File No. PWD 79 ~~DB~~ -3

Serial No.

~~No.~~

To

The Chief Engr

I.B. Bangalore

Date of issue.....

Signed by.....

Sir,

Ref:- Your letter No 380/
dt 9-12-66

With reference to the letter cited ~~above~~ on the above subject I am directed to request you to forward a copy of the report under reference for examining the same from interstate angle.

Yours faithfully

29/3

Dy. Secy

24/3/65

List of enclosures.....

Copied by .....

Examined by.....

WD 012116—GPB—4,00,000—7-3-63

14-

GOVERNMENT OF MYSORE

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

FROM

Dated, Bangalore, 6-4-1965.

The *Secretary to the Government of Mysore,*
To Public Works Department.

The Chief Engineer, Irrign. Projects,
Bangalore.

Sub:-Tungabhadra Reservoir - Calculation regarding back water effect on some village on the fore-shore - Regardi

---

Ref:-Your letter No.380/P., dated 9-12-1964.

With reference to your letter cited on the above su
I am directed to request you to forward a copy of the r
under reference for examining the same from interstate a

Issued
Dated 6/4/65

Yours faithfully,

(M. Channappa)
Deputy Secretary to Gov
P.W.D(Irrign.).

-15-

TUNGABHADRA DAM,
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE

Dated 24/3/1965.

SECRETARIAT TO GOVERNMENT
1532
27 MAR 1965
PUBLIC WORKS & ELEC. DEPTT.

LETTER NO. 2480/B1/63--7.

From

Shri G. N. Pathak,
Secretary, Tungabhadra Board.

To

The Secretary to Government of Mysore,
Public Works Department,
BANGALORE.

Sir,

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir - Undertaking of silt survey work in Tungabhadra Reservoir by Mysore Engineering Research Station, Krishnarajasagar - Regarding.

Ref:- Your Endt.No.PWD 79 GKS64 dt. 2-12-1964.

I am directed to invite a reference to your endorsement cited and to fav request you kindly to favour me with an early reply in the matter.

Yours faithfully,

(G.N. PATHAK)
Secretary,
Tungabhadra Board.

MYSORE GOVT. SECRET
No. 950.
27 MAR 1965
W.C. (RECEIPT &

*Sastry/-23.3.

TUNGABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

G. N. PATHAK,
Secretary.

MYSORE
No. 2433
7 MAY 1965
P. W. D. (RECEIPT & ISSU

Dated.. 4.....5..1965.

SECRETARY TO GOVERNMENT
No. PD 615
6 MAY 1965

D.O. Letter No. 3484/B1/65-1.

Dear Shri Chandappa Patel,

Sub:- Depletion of the Tungabhadra Reservoir --Problem of silt in the reservoir-- Remedial measures--Regarding.

The Research Officer, Krishnaraj Sagar Engineering Research Institute has been entrusted by the Government o Mysore with conducting silt survey in the Tungabhadra Rese He is already on the job. It is expected that he will be submitting his report to the Government during this year.

2. The Governments of Andhra Pradesh and Mysore agree to release 40 to 41 T.M.C.ft of water from the Tungabhadr Reservoir for growing second crop in the Krishna Delta. The Tungabhadra Board released 40.84 T.M.C.ft of water fo this purpose. It is expected that on account of this draw of water, the reservoir level will be touching 1588 in th first week of June 1965. This will be the first time tha the Tungabhadra Reservoir will be touching this level sin water was impounded in the year 1953.

3. Mettur Reservoir was similarly lowered in the year 1963 in connection with the construction works relating t the Mettur tunnel scheme. The Government of Madras deput the Research Officer, Poondi Research Institute, to take silt survey in the Mettur Reservoir. This news item was published in Hindu dated 17-5-1963. I then requested the Government of Madras to favour me with a copy of the repo of the silt survey conducted by the Poondi Research Insti The Government of Madras were kind enough to send a copy of the report to the Board. It is seen from the report t

the life of the Mettur Reservoir has been estimate as about 1200 years.

4. As the Tungabhadra Reservoir will be touching 1588 this year, I do not know whether it would be possibl for you to depute the Research Officer, Krishnaraj Sagar to Tungabhadra Dam for a period of one month so that he could prepare similar report which will enable us to determine the life of the Tungabhadra Reservoir. I discussed this subject with you in your chambers on the 22nd April 1965 and you told me that you would have no objection to sending the Research Officer, Krishnaraj Sagar to Tungabhadra Dam for this purpose.

With Kind Regards,

Yours sincerely,

(G.N.Pathak)

Shri Chandappa Patel,
Secretary to Government of Mysore,
Public Works Department,
Vidhana Soudha,
BANGALORE.

The following papers are
in CE seems to show
This may be returned.

10/5/65 - G.S. - 10/5/65

Diary No. of letter replied to..... .....

Mysore Government Secretariat.

the 196 .

Date of issue.....

Signed by.....

Section

File No. PWD 79 G

Serial No.

No.

To 1) The chief engineer
Investigation Bra
(2) The Divisional H.B.R.S
K.R.Sag

Sir

I am directed to
forward a copy of the D
65-1 dy 4-5-65 of the
T.B. Board on the Scal
mentioned above and to
request you kindly to ta
necessary action in the
and intimate to Govt
by

Copy to the Secy T.B Boa
Hosket) Bellary Dist-d

2 true copies of
page 16 c/r.

List of enclosures.....

Copied by ....

Examined by.....

GOVERNMENT OF MYSORE

NO FWD 79 GKS 64. W/E

MYSORE GOVERNMENT SECR
VIDHANA SOUDHA,

Dated, Bangalore, 17.4.1965

Secretary to the Government of Mysore,
Public Works & Electricity Department,
BANGALORE.

The Chief Engineer, Irrigation Projects, Bangalore.

The Director, M.E.R.S., K.R. Sagar.

Sir,

Subject:- Silt Survey Tungabhadra Reservoir.

I am directed to forward herewith a copy of the D.O. letter No. 3634/B1/65-1, dated 4-5-1965 of the Secretary, Tungabhadra Board on the subject mentioned above and to request you kindly to take necessary action in the matter under intimation of Government.

Yours faithfully,

Sd/-

(M. Channappa)
Deputy Secretary to the Government,
Public Works Department, (Irrigation).

Grw 14.5.65/5

Copy to the Secretary, Tungabhadra Board (Via Hospet), Bellary Di
with reference to his D.O. Letter cited for information.

Mysore Public Works Department

No.SSS/IDR/ 254-256 /65-66

OFFICE OF THE DIRECTOR,
MYSORE ENGINEERING RESEARCH STATION.
KRISHNARAJASAGAR.
DATE 20-5-1965

To

The Secretary to Government,
Public Works Department,
Vidhana Soudha, Bangalore-1

MYSORE GOVT. SECR.
No. 1672
22 MAY 1965

Sir,

Sub: Silt Survey of Tungabhadra Reservoir.

Ref: Your letter No. PWD 79 GKS 64 dated 17-5-65.

A comprehensive sedimentation survey of Tungabhadra Reservoir has been carried out and the report is under preparation. The opportunity like the one mentioned by the Secretary, Tungabhadra Dam in his letter addressed to you is to be availed of only when facilities are not there for a hydrographic survey of the type carried out in Tungabhadra Reservoir. However since it is stated that the reservoir will be touching a level of 1588 in the first week of June 1965, the Executive Engineer, Irrigation and Drainage Research Division, Dharwar has been requested to make use of this opportunity and obtain any additional information that is likely to be of use and supplement the data that has

already been collected by echo-sounder survey.

Yours faithfully,

Director,
Mysore Engineering Research Station
Krishnarajasagar.

Letter No. 5356/B1/64-4.

From

G. N. Pathak,
Secretary.

To

The Secretary to the Government
Of Mysore,
Public Works Department,
BANGALORE.

MYSORE GOVT. SECRETARIAT
No. 2747
26 MAY 1965
M.9
RECEIPT & ISSUE

Sir,

Sub:- Silt Survey--Conducting silt survey in the Tungabhadra reservoir on a permanent basis Regarding.

-- -- --

I am directed to invite a reference to item 15 o upplemental Agenda for the Second Meeting (1961-62) an ution No.31 of the Minutes of the Proceedings of that eeting.

2. The echo depth sounder was temporarily lent to t esearch Officer, Mysore Engineering Research Station, aja Sagar in the year 1961 for purposes of conducting urvey of the Tungabhadra reservoir. It was also decid he Tungabhadra Board that no hire charges need be reco rom the Mysore Engineering Research Station as the Tun oard had interest in the Tungabhadra reservoir and it w etting the report of the silt survey from the Mysore En esearch Station. The equipment has not yet been return o the Board.

3. The subject was again considered by the Board at ourth Meeting (1964-65) and the Board decided that furt tion in the matter may be taken only after the report ith silt survey conducted in the Tungabhadra reservoir rsore Engineering Research Station is received by it. oard has also decided that a request may be made to the nt of Mysore to intimate to the Board whether they wou ke to purchase the echo-depth sounder. The Government

Andhra Pradesh have stated that they are willing to purchase the echo-depth sounder in case the Government of Mysore do not want to purchase it.

4. I am to request you to intimate to me whether the Government of Mysore would like to purchase the Echo-Depth Sounder lent to the Director, Krishnaraja Sagar Research Station for conducting silt surveys

Yours faithfully,

(G.N.Pathak)
Secretary,
Tungabhadra Board.

Appendix F. G.—

SUBJECT ..... PWD ... page 1/65 .....

.....

.....

Diary No. of letter replied to..... .....

Mysore Government Secretariat.

( )

the 196.

Date of issue.....

Signed by..... .. ..

. List of enclosures.....

Copied by..... ...

Examined by..... .....

Section

File No.

Serial No.

No PWD GKS 6

To

The ~~Chief Engineer~~ Secretary
~~The Director~~ Irrigation
Mysore Engineering
Research Station
~~K.R. Nagar~~

~~The~~ The C E (Investigations), Cauvery

~~Sir~~,

I am directed to forward herewith a copy of the letter dated 22-5-65 from the Secretary, Jungabhara Board on the above subject and to request you to ~~forward the~~ Offer your remarks in the matter

Yours faithfully

[illegible]
31/5/65
for Secy to Govt
PWD (Irrg)

6y
1.6.65

Copy along with a Copy of the letter of the Secretary TBPB is forwarded to Director RES for information and report

WD 012116—GPB—4,00,000—7-3-63

GOVERNMENT OF MYSORE

No. PWD 79 GKS 65. WE

MYSORE GOVERNMENT SECRETARIA
VIDHANA SOUDHA,

Dated, Bangalore,...6.....June, 19

FROM

The Secretary to the Government of Mysore,
Public Works Department, Bangalore.

To

The Chief Engineer, (INVESTIGATION),
Bangalore

Sir,

Sub: Laying down uniform procedure for conduc the silt survey in storage reservoir.S taking of silt survey work in Tungabh Reservoir by the Mysore Engineering Re Station, Krishnarajasagar - Regarding

=0=

I am directed to forward herewith a copy of th letter dated 22.5.65 of the Secretary, Tungabhadra Boa on the above subject and to request you to offer your remarks in the matter.

Yours faithfully,

Sd/-
(K.CHANNAPPA)
Deputy Secretary to Government
Public Works Department (General)

SUD

Copy along with a copy of the letter of the Secreta T.B. Board is forwarded to Director Mysore Engin research Station for information and report.

GOVERNMENT OF MYSORE

Office of the Chief Engineer,
Investigation of Projects,
Bangalore-9, dated 11-6-1965.

The Secretary to Government,
Public Works Department,
Vidhana Soudha,
Bangalore-1.

Sir,

Subject:- Laying down uniform procedure for conducting the silt survey in storage reservoir - Undertaking of silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station, Krishnarajasagar - Regarding -

Reference: Your letter No.PWD 79 GKS 64 dated 4th June, 65.

With reference to the above, I write to state that the echo depth sounder taken on loan from the Tungabhadra Board will be useful in this zone and it is desirable to purchase this instrument.

I, therefore, request you to intimate the Secretary, Tungabhadra Board that the echo depth sounder which was lent to the Director, M.E.R.S., K.R.S., for conducting silt surveys in the Tungabhadra Reservoir may be transferred on a permanent basis.

Yours faithfully,

Chief Engineer,
Investigation of Projects.

Appendix F. G.—1]

SUBJECT..... Do in page 25/es .....

.....

.....

)iary No. of letter replied to .....

Section

File No.

Serial No.

Mysore Government Secretariat.

( )

the *195* .

No. PWD 79 GKS 64.

To

The Secretary,
Tungabhadra Board,
Tungabhadra Dam
(Via Hospet)
Bellary Dist

ate of issue.....

gned by.....

Not to be issued
16/1

Sir,

With reference to your letter No. 5356/TB1/64-4 dated 22-5-65, on the above subject, I am directed to request you to ultimate that the echo depth sounder which was sent to the Director, M.E.R.S. for conducting silt surveys in the Tungabhadra Reservoir may be transferred to this Govt on a permanent basis as it is very useful to this State

Yours faithfully

t of enclosures .....

oied by.....

mined by .....

By order of Govt
PWD (Irrig)

Copy to: The C.E. (PP), Bangalore
The Director, M.E.R.S.
Bangalore for

Appendix F. G.—1]

SUBJECT ..... Dr. on page 205/cs .....

.....

.....

iary No. of letter replied to..... .....

Mysore Government Secretariat.

( )

the 196.

Date of issue.....

Signed by.....

List of enclosures.....

Copied by.....

Examined by.....

Section

File No.

Serial No.

No PWD 79 GRCS 66

To

The Secretary
Tungabhadra Board
Tungabhadra Dam
(Via Hospet)
Bellary Dist

Sir,

With reference to your letter No. 5356/B1/64-4 dated 22-5-65 on the subject mentioned above, I am directed to request you kindly to undertake the cost of the Echo-Depth Sounder sent to the Director, M.G.R.S., K.R.Sagar for conducting silt surveys in the Tungabhadra Reservoir.

Yours faithfully
1/7/65
for Secretary to Govt.
PW D (Irrgn)
2/7

GOVERNMENT OF MYSORE

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, 2-7-1965

The Secretary to the Government of Mysore,
Public Works Department.

The Secretary,
Tungabhadra Board,
Tungabhadra Dam (Via Hospet),
Bellary District

Sub:-Silt Survey-Conducting silt survey in the Tungabhadra reservoir on a permanent basis-Regarding.

=====

With reference to your letter No.5356/B1/64-4 dated -5-65 on the subject mentioned above, I am directed to quest you kindly to intimate the cost of the Echo pth Sounder lent to the Director, Mysore Engineering search Station, K.R.Sagar for conducting silt surveys the Tungabhadra Reservoir.

Yours faithfully,

2/7/65

(M.Channappa)
Deputy Secretary to Governm

ISSUED
Dated. 2/7/65

D.No. 545/E94/65
Dt 14/6/65

MYSORE GOVT. SECRETARIAT
No 3207
21 JUN 1965
RECEIPT

TUNGABHADRA DAM,
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE.

Dated 19/6/1965.

Letter No. 5240/B1/64-2.

From

G. N. Pathak,
Secretary.

To

The Secretary to Government
Of Mysore,
Public Works Department,
BANGALORE.

Most Urgent

Sir,

Sub:- Machinery and Equipment--Echo Depth sounding equipment--Sparing to the Mysore Engineering Research Station Krishnarajasagar--Regarding.

Ref:- This Board's letter No. 5356/B1/64-4 dated 22-5-1965. PWD 274 dated 2

-- -- --

I am directed to invite a reference to this Board's letter cited above and to state that the Director, Maharashtra Engineering Research Institute, Nasik has requested that the Echo depth sounder now available with the Board may be lent to him for silt sedimentation surveys in the Koyana Project till such time they are able to get their own echo depth sounder.

2. I am therefore to request you kindly to intimate whether the echo depth sounder may be given to the Government of Maharashtra on loan basis pending final decision to be taken by you regarding its purchase. In this connection I am to add that the Chief Engineer, Irrigation Branch of the Board has intimated that the Echo-depth sounding equipment has been brought from Munirabad on 31st May 1965 by the Assistant Engineer, Headworks Sub Division.

3. I am to request you kindly to favour me with an early reply in the matter.

Yours faithfully,
Secretary,
Tungabhadra Board.

PWD 634/E94/65

cc:- File No. 5356/B1/64.
:- It appears this belongs to E1 section. May be sent to that Branch
Ans 19/6/65
26/6
26/6/65

GOVERNMENT OF MYSORE

MYSORE GOVERNMENT SECRETARIA
VIDHANA SOUDHA,

Dated, Bangalore,. 5th July,..*19*

The Secretary to the Gove
Public Works D[illegible]

To

The Secretary,
Tungabhadra Dam(Via Hospet),
Bellary District.

Sir,

Sub:-Machinery and Equipment
sounding equipment-Sparing to the Mysor
Engineering Research Station Krishnaraj
sagar-Regarding.

Ref:-Your letter No.5240/B1/64-2 dated 19-6-

In continuation of this Government Letter No.PWD GKS 64 dated 2-7-65 on the subject cited, I am direct to state that the echo-depth sounder lent to the Director, Mysore Engineering Research Station, K.R.Saga is required by this Government. The cost of the equipment may kindly be intimated to enable further action being taken in the matter.

ISSUED
Dated. 5/7/65

Yours faithfully,
5/7/65
(M.Channappa)
Deputy Secretary to Governmen
Public Works Department (Irr

ncj/d.5765.

Appendix F. G.—1]

SUBJECT ..... Ad. in. 26.1.65 .....

.....

.....

Ref:- your letter No. 5240/B1/64-2 dated 15/6/65

No. of letter replied to..... .....

Section

File No.

Serial No.

Mysore Government Secretariat.

( )

the 196.

N. PWD 79 GRS 64

To

The Secretary
Tungabhadra Dam
(Via Gospet)
Bellary District

Date of issue.....

Signed by..... .. ..

Sir,

In continuation of this Govt letter No. PWD 79 GRS 64 dated 2/7/65, I am directed to state that as the echo-depth sounder sent to the Director M.F.R.S., K.R. Sagar is required by this Govt. as mentioned in the cited subject, the cost of the equipment may kindly be intimated to enable further action being taken in the matter.

Yours faithfully
5/7/65
Dy Secy to Govt
Dept of PWD (Irrgn)
5/7

List of enclosures.....

Copied by.....

Examined by.....

MYSORE GOVT. SECRETARIAT
No. 2330
7 JUL 1965

TUNGABHADRA DAM
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE

Dated 14/7/1965

Letter No. 5240/B1/64.

From

G. N. Pathak,
Secretary.

To

The Secretary to Government
Of Mysore,
Public Works Department,
BANGALORE.

Sir,

Sub:- Machinery and Equipment--Echo Depth sounding equipment--Sparing to the Mysore Engineering Research Station Krishnarajasagar --Regarding.

Ref:-i) Your letter No. PWD 79 GKS 64 dated 2-7-65.
ii) Your letter No. PWD 79 GKS 64 dated 5th July 1965.

-- -- --

I am directed to invite a reference to your letters cited above and to state that the chief Engineer, Irrigation Branch of this Board has been requested to intimate the exact cost of the echo-depth sounder lent to the Mysore Engineering Research Station, Krishnarajasagar. I am to add that a further communication will be sent to you on hearing from him.

Yours faithfully,

Secretary,
Tungabhadra Board.

cc:- File No. 5356/B1/64.

TUNGABHADRA DAM
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE

Dated / 7 / 1965

Letter No.2480/B1/63-10.

From

Shri G. N. Pathak,
Secretary.

To

The Secretary to Government
of Mysore,
Public Works Department,
Bangalore.

Sir,

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir - Undertaking of silt survey work in Tungabha Reservoir by Mysore Engineering Research Station Krsihnarajasag Regarding.

MYSORE GOVT. SECRETARIAT
No 2438
24 JUL 1965
W. D. (REC)

Ref:- i) Your Endt.No.PWD 79 GKS 64 dated 2-12-1964.
ii) This Board's letter No.2480/B 63-7 dt. 24-3-65 and 4-6-65.

****

I am directed to invite a reference to th letters cited above and to request you kindly to favour me with an early reply in the matter as frequent reminders are being received from t Government of Andhra Pradesh on the above subje

Yours faithfully,

Secretary,
Tungabhadra Board

D. O. No. PWD 79 GAK 64. MYSORE GOVERNMENT SECRETARIAT

Dated, Bangalore, ...

Sub: As in page 30 ex

DEAR SIR,

I am desired to invite ~~your attention~~ reference to ~~this Office~~ Govt Letter No. even number, dated 6-4-65, and ~~subsequent~~ on the subject cited and ~~reminders~~, request you kindly to forward copies of the report on the survey of Jungle Madras Reservoir for inclusion the same from Karnataka angle immediately and to request that reply thereto ~~may kindly be expedited, as matter is long pending~~. The matter may kindly be treated as extremely urgent as the Secretary, Irrigation and Power is reminding in the matter

Yours sincerely,

28/7/65

To

Sri J. M. Madgaonkar, B.E., MIE(IN),
Chief Engineer
Irrigation Projects

M.CHANNAPPA,B.E.,A.M.I.E.,
Deputy Secretary to Govt.
Public Works Department(Irrn).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore,dated July,1965.

D.O.No.PWD 79 GKS 64.

Dear Sir,

Sub:-Laying down uniform procedure for conducting silt Survey in Storage reservoir-Undertaking of silt survey work in Tungabhadra Reservoir of Mysore Engineering Research Station Krishnarajasagar-Regarding.

I am desired to invite reference to Govt.letter of even number dated 6-4-65 on the subject cited and to request you kindly to forward a copy of the report on silt survey of Tungabhadra Reservc-- for examining the same from interstate angle immediately.

The matter may kindly be treated as extremely urgent as the Secretary,Tungabhadra Board is reminding in the matter.

Yours sincerely,

30/7/65

Sri.I.M.Magdum,B.E.,M.I.E.(Ind),
Chief Engineer,IP,
Bangalore.

ncj/d.30765.

Issued
Dated 9/8/65

MYSORE GOVT. SECRET
No. 2663
12 AUG 1965
RECEIPT

TUNGABHADRA DAM
(via HOSPET),
BELLARY DISTRICT
MYSORE STATE.

Dated 10/8/

Letter No.3484/B1/65-2.

From

Shri G. N. Pathak,
S e c r e t a r y.

To

The Secretary to the Government
of Mysore,
Public Works and Electricity Department,
Vidhana Soudha,
Bangalore-1.

S i r ,

Sub:- Depletion of the Tungabhadra Reservoi
Problem of silt in the Reservoir -
Remedial measures - Regarding. (1)

Ref:- i) This Board's D.O.letter No.3484/B1/ (1)
dated 4-5-1965.

ii) Your endorsement No. PWD 79 GKS 64 (2) (2)
dated 17-5-65.

****

I am directed to invite a reference to this Board's letter cited above and to state that the Tungabhadra Reservo touched 1589.90 on the 19th June 1965 and the level has rise considerably since then. I am further to add that since the Director, Engineering Research Institute, Krishnarajsagar did not come to Tungabhadra Dam when the reservoir was low, no useful purpose will be served by his coming here now.

Yours faithfully,

10/8

Secretary,
Tungabhadra Board.

10/8/65

2678
13 AUG 1965
D.T.B.
R. & I. U. (RECEIPT & ISSUE)

TUNGABHADRA DAM,
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE.

Dated 11 / 8 / 1965. *195*

LETTER NO. 5356/B1/64---8.

From

Shri G. N. Pathak,
Secretary, Tungabhadra Board.

To

The Secretary to the
Government of Mysore,
Public Works Department,
Vidhana Soudha,
B A N G A L O R E.

Sir,

Sub:- Silt Survey - Conducting Silt Survey in the Tungabhadra Reservoir on a permanent basis - Regarding.

Ref:- i. Your letter No. PWD 79 GKS 64 dated 2-7-1965.
ii. This Board's letter No. 5240/B1/64-5 dated 14-7-1965.

I am directed to invite a reference to your letter cited first above and to state that the Chief Engineer, Irrigation Branch of the Board has intimated that the cost of the Echo-Depth sounding equipment is Rs. 19,687.52 (Rupees Nineteen thousand six hundred and eighty seven and paise fifty two only).

2. I am therefore to request you kindly to intimate to me whether the Government of Mysore would like to purchase the Echo-depth sounder at the said cost so that necessary further action could be taken at this end.

Yours faithfully,

11/8/65

(G.N. PATHAK)
Secretary,
Tungabhadra Board.

pendix F. G.—1]

BJECT ..... D.S. in page 191 c.s. .....

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Diary No. of letter replied to..... .....

Section

File No.

Serial No.

Mysore Government Secretariat.

( )

the 196.

No PWD 79 GAS 64

To

The Director.
M. E. R. S.
K R. Sagar

Date of issue.....

Signed by..... .. ..

Sir,

I am directed
in the reference 6th your
letter No. SSS/IDR/254-256/65-66,
20-5-65 on the subject
and to state that the
J. D. Board has reported
that the Jungalkhand
Reservoir opened 15th
on the ~~Expected~~ 1965
1965 and the level h
risen considerably sin
then. It is further r
that your presence i
required at Jungalkh
Dam only when the
Reservoir was low and
no useful purpose will
served by your going
there now. This is for

List of enclosures.....

Copied by..... ...

Examined by..... .....

D. O. No. PWD 79 GKS 64 MYSORE GOVERNMENT SECRETARIAT,

Dated, Bangalore, ...

Sub + Ref in Page 3 of 2

DEAR SIR,

I am desired to invite ~~your attention~~ to the reference to this Office Letter ~~No~~. of even number, dated 6-4-65, and the subsequent reminder of even number dated 9/8/65 reminders, on the subject cited and to request you kindly to forward a copy of the report on soil survey of Jungalakadu Reservoir for enabling the same from ~~the~~ University at Delhi immediately ~~and to request that reply thereto may kindly be expedited, as the matter is long pending.~~ The matter may kindly be treated as extremely urgent

Yours sincerely,

To

Sri J M Magdum, B.E., MIE (IND).
Chief Engineer PP,
Bangalore

Appendix F. G.—1]

SUBJECT ..... Rs. in Part 23/CR .....

.....

.....

Reft your letter No. CE-I/201 dated 11/6/65

Diary No. of letter replied to..... .....

Mysore Government Secretariat.

( )

the 196.

Date of issue.....

Signed by.....

List of enclosures.....

Copied by.....

Examined by.....

Section

File No.

Serial No

No. PWD 79 Grs 64

To

The C.E (Irrn)
Bangalore

Sir,

With reference to your letter cited above, I am directed to state that it is reported by the Secretary, Tungabhadra Board in his letter No. SJS 73/64-5 dated 11-8-65 (copy enclosed) that the cost of the Extra Depth sounding equipment is Rs. 19,677-52. I am therefore to request you to forward the proposals for purchasing the above equipment by indicating the provision for the purpose.

Yours faithfully,

WD 012116—GPB—4,00,000—7-3-63

21/8/65
Dy Secy to Govt
PWD (Irrn)

21-8-65

GOVERNMENT OF MYSORE

No. PWD 79 GKS 64.

MYSORE GOVERNMENT SECRETARL
VIDHANA SOUDHA,

Dated, Bangalore, 27-8-196

FROM

Secretary to the Government of Mysore,
Public Works Department.

To

~~Sirx~~
The Chief Engineer,(Investigation),
Bangalore.

Sir,

Sub:- Laying down uniform procedure for conducting the silt survey in storage reservoir - undertaking of silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station, Krishnaraja-sagar - Regarding -

Ref:- Your letter No. C.E. 1/201 dated 11-6-65.

With reference to your letter cited above, I am directed to state that it is reported ~~xx~~ by the Secretary, Tungabhadra Board in his letter No. 5356/B 1/64-8 dated 11-8-65 (copy enclosed) that the cost of the Echo-Depth sounding equipment is Rs. 19,687.52. I am therefore, to ~~request~~ request you to forward the proposal for purchasing the above equipment indicating ~~the~~ like provision for the purpose.

ISSUED
Dated 27/8/65

Yours faithfully,
16/8/65
(M. Channappa),
Deputy Secretary to Government,
Public Works Department(Irrgn.)

TUNGABHADRA D
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE

Dated 17/8/196 5.

LETTER NO. 5240/B1/64--6.

From

Shri G. N. Pathak,
Secretary, Tungabhadra Board

The Secretary to the
Government of Mysore,
Public Works Department,
Vidhana Soudha, BANGALORE.

MYSORE GOVT. SEC. 2733 19 AUG 1965 P.W.D. (RECEIPT & ISSUE)

Sub:- Machinery and Equipment - Echo-depth sounding equipment - Sparing to the Mysore Engineering Research Station, Krishnarajasagar - Regarding.

Ref:- i. Your letter No. PWD 79 GKS 64 dated 5-7-1965.
ii. This Board's letter No.5240/B1/64-65 dated 14-7-1965.

I am directed to invite a reference to the letters cited above and to state that a reply h already been sent to you in my letter No.5356/B 64-8 dated 11-8-1965 a copy of which is enclose herewith for your ready reference.

2. I am therefore to request you kindly t favour me with an early reply in the matter so that further action could be taken at this end.

Yours faithfully,

G.N. PATHAK
Secretary,
Tungabhadra Board.

Copy of Letter No. 5356/B1/64--8 dated 11/8/1965 from the Secretary, Tungabhadra Board, T.B.Dam to the Secretary to Government of Mysore,, Public Works Department, Vidhana Sou Bangalore.

Sub:- Silt Survey--Conducting Silt Survey in the Tungabhadra Reservoir on a permanent basis--Regarding.

Ref:- i)Your letter No. PWD 79 GKS 64 dated 2-7-1965.
ii)This Board's letter No. 5240/B1/64-5 dated 14-7-1965.

I am directed to invite a reference to your letter cited first above and to state that the Chief Engineer, Irrigation Branch of the Board has intimated that the cost of the Echo-Depth Sounding equipment is Rs. 19,687.52 (Rupe Nineteen Thousand six hundred and eighty seven and paise fifty two only).

2. I am therefore to request you kindly to intimate to me whether the Government of Mysore would like to purchase the Echo-deth sounder at the said cost so that necessary further action could be taken at this end.

Sd. x x x x x x x
(G.N. Pathak)
Secretary, T.B.Board

TUNGABHADRA DAM,
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE.

Dated 2-9-1965

Letter No. 2480/B1/63-11.

From

G. N. Pathak,
S e c r e t a r y.

To

The Secretary to the Government
Of Mysore,
Public Works Department,
B A N G A L O R E.

7941864

S i r,

MYSORE GOVT. SECRETARIAT
No 4446
- 4 SEP 1965
RECEIPT & ISSUE

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir--Undertaking of silt survey work in Tungabhadra Reservoir by Mysore Engineering Research Static Krishnarajsagar--Regarding.

Ref:- This Board's letter No. 2480/B1/63-10 dated 20/7/1965.

-- -- --

I am directed to request you kindly to favour me with an early reply in the matter.

Yours faithfully,

Secretary,
Tungabhadra Board

PWD 798 K866

MYSORE GOVERNMENT SECRETAR

Dated, Bangalore, ...

DEAR SIR,

I am desired to invite your attention to this Office Lett PWD 798 K866, dated 27/8/65, an subsequent ..... reminders, ... and to request that reply thereto may kindly be expedited, ~~a matter is long pending.~~

Yours sincerely,

12/9

To Sir L. T. Aminbhavi. BE. M.I.R (Ind)
the Ch Executive
Project Officer
by name

43

M.CHANNAPPA, B.E., A.MIE.,
Deputy Secretary to Government,
P.W.Department (Irrigation).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated 20-9-1965.

D.O.No.PWD 79 GKS 64

Dear Sir,

I am desired to invite your attention to this office letter No.PWD 79 GKS 64, dated 27.8.1965 and to request that reply thereto may kindly be expedited.

Yours sincerely,

18/9/65

20-9-65

Shri L.T.Aminbhavi, B.E., M.I.E.(IND),
Chief Engineer Investigation of Projects,
Bangalore.

Dated 21/9/1

LETTER NO. 5356/B1/64--9.

From

Shri G. N. Pathak,
Secretary, Tungabhadra Board.

To

The Secretary to the
Government of Mysore,
Public Works Department,
Vidhana Soudha, BANGALORE.

Sir,

Sub:- Silt Survey - Conducting Silt Survey in the Tungabhadra Reservoir on a permanent basis - Regarding.

Ref:- i. Your letter No. PWD 79 GKS 64 dated 2-7-1965.
ii. This Board's letter No.5356/B1/64-8 dated 11-8-1965.

I am directed to invite a reference to this Board's letter cited second and to request you kindly to favour me with an early reply in the matter.

MYSORE GOVT. SECRETARIAT
No 3178
25 SEP 1965
RECEIPT & ISSUE

Yours faithfully,

Secretary,
Tungabhadra Board.

*Sastry/-21.9.

A.V. Shankara Rao, B.E.,A.M.I.E
Executive Engineer, (P&I)

Office of the Chief Engineer, PWD,
Investigation of Projects,
Ananda Rao Circle,
Bangalore.

D.O. No. CE=I/1024 Dated 25th September 1965.

Dear Sri. Channappa,

Ref:- ~~Govt~~ D.O. Letter No. PWD 51(79) GKS 64 dated 20.9.65. addressed to Sri L.T. Aminbhavi, C.E., (Investigation).

.....

Kindly intimate the subject matter refe to in the Letter under reference. A copy of Gove letter of even No. dated 27.8.65 may also be arran to be sent as the same does not appear to have been received in this office.

3218.
28 SEP 1965
RECEIPT & ISSUE SECTION

Yours

A.V.SHANKARA RAO)

Shri M. Channappa. B.E. A.M.I.E.,
Deputy Secretary to Government,
Public Works Department(Irrn)
Vidhana Soudha, Bangalore.

COPY of the letter No. 5356/B1/64-8 dated 11-8-1965, from the Secretary, Tungabhadra Boar Mysore, addressed to the Secretary to Govt.,PWD Bangalore...

Sub:- Silt Survey - Conducting Silt Survey in the Tungabhadra Reservoir on a permanent basis - Regarding.

Ref:- 1. Yaur letter No.PWD 79 GKS 64 dated 2-7-1965.

2. This Board's letter No. 5240/B1/64 dated 14-7-1965.

-

I am directed to invite a reference to your letter cited first above and to state that the Chief Engineer, Irrigation Branch of the Board has intimated that the cost of the Echo-Depth sounding equipment is Rs. 19,687.52 (Rupees Nineteen thousand six hundred and eighty seven and paise fifty two only).

I am therefore, to request you kindly to intimate to me whether the Government of Mysore would like to purchase the Echo-depth sounder at the said cost so that necessary further action could be taken at this end.

Sd/-(G.N. Pathak)

Appendix F. G.—1]

SUBJECT .....

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.....

Diary No. of letter replied to..... .....

Section

File No. PWD79

Serial No.

Mysore Government Secretariat.

( )

the 196.

N.

To

Date of issue.....

Dear Shri

Signed by.....

Copy of letter on page 38/ to be got Typed.

Ref- your DO letter no C
Dt 25/9/65-

I am desire ~~to~~ ~~desire~~ a copy of G
letter no PWD 79 G&ES
27/8/65 with its e
and request you
forward the prop
for purchasing
equipment meni
indicating the
provision for the pi
urgent

A V. Shankar Rao
BE AMIE
Ex Engr (P&I)
Recd the Ch Guidelines

List of enclosures.....

Copied by.....

Examined by.....

M.CHANNAPPA, B.E., AMIE.,
Deputy Secretary to Government,
P.W.Department (Irrigation).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated 11-10-1965.

D.O.No.PWD 79 GKS 64

Dear Sri

Ref: Your D.O.letter No.CE1/1024 dated 25.9.65.

.....

I am desired to enclose a copy of Government letter No. PWD 79 GKS 64 dated 27.8.65 with its enclosure and request you to forward the proposal for purchasing the equipment mentioned indicating the provision for the purpose urgently.

Shri A.V.Shankar Rao, B.E., AMIE.
Executive Engineer (P & I),
Office of the Chief Engineer,
Investigation, Bangalore.

Government of Mysore
(Public Works Department)

B.SUBRAMANYAM, B.Sc.,B.E.,
Deputy Chief Engineer,
Irrigation Projects,

' Park House '
Bangalore-1,
Dated:18-10-'65.

MYSORE GOVT. SECRETARIAT
No 3463
20 OCT 1965
(RECEIPT & ISSUE)

D.O.NoTBP/ 2474 /TA1

Dear Sri Channappa,

Sub: Laying down uniform proecedure for conducting silt survey in storage reservoir - undertaking of silt survey work in Tungabhadra reservoir of Mysore Engineering Research Station, Krishnarajasagar - Regarding.

Ref: Your D.O.Letter No.PWD 79 GKS 64 dated 2-8-1965 addressed to Chief Engineer,IP.

The Director, Mysore Engineering Research Station, K.R.Sagar is now under the control of the Chief Engineer, Investigation of Projects. As such, the Chief Engineer, Investigation of Projects may please be addressed in the matter.

Yours

(B.Subramanyam)

To

Sri M.Channappa, B.E.,A.M.I.E.,
Deputy Secretary to the Government,
Public Works Department (Irrigation)
Vidhana Soudha, Bangalore.

Appendix F. C. - 1]

SUBJECT ..... As in page 14/cr

.....

.....

Diary No. of letter replied to.....

Mysore Government Secretariat.

( )

the *196* .

Date of issue.....

Signed by.....

(① P. 14/cr)

List of enclosures.....

Copied by.....

Examined by.....

Section

File No,

Serial No.

No. PWD 79 GAS 64

To

The C. E (Irrn),
Bangalore

Sir,

I am directed to forward herewith a copy of Govt letter No PWD 79 GAS 64 dated 6/4/65 ① addressed to C. E (SP), Bangalore and to request you kindly to forward a copy of the report on silt survey of Tungabhadra Reservoir for examining the same from underwater angle immediately.

Yours faithfully,

Dy Secy to Govt
for P.W.D (Irrn)

25/2

23.x.65

PUBLIC WORKS & ELECTRICITY DEPARTMENT,

The Chief Engineer,
~~Irrigation Projects~~, Investigation of projects
B A N G A L O R E.

Sir,

SUB: Tungabhadra Reservoir - Calculation regarding back water effect on some village on the fore-shore - Regarding.

I am directed to forward herewith a copy of Government letter No.PWD 79 GKS 64 dated 6.4.65 addressed to Chief Engineer (Irrigation Projects) Bangalore and to request you kindly to forward a copy of the report on silt survey of Tungabhadra Reservoir for examining the same from interstate angle immediately

29/10/65

(M.CHANNAPPA),
EPUTY SECRETARY TO GOVERNMENT,
PUBLIC WORKS DEPARTMENT(I).

TUNGABHADRA DAM,
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE.

Dated 31/10/1965.

LETTER NO. 5356/B1/64-10.

From

Shri G. N. Pathak,
Secretary, Tungabhadra Board.

To

The Secretary to the
Government of Mysore,
Public Works Department,
Vidhana Soudha, BANGALORE.

Sir,

Sub:- Silt Survey - Conducting Silt Survey the Tungabhadra Reservoir on a perman basis - Regarding.

Ref:- i. Your letter No.PWD 79 GKS 64 dated 2-7-1965.
ii. This Board's letter No.5356/B1/6 dated 11-8-'65 and reminder of eve No. dated 22-9-1965.

MYSORE GOVT. SECRETARIAT
No. 3663
3 NOV 1965

I am directed to invite a reference to the Board's letters cited and to request you kindly to favour me with an early reply in the matter.

Yours faithfully,

Secretary,
Tungabhadra Board.

GOVERNMENT OF MYSORE

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, dated 1964.

No. PWD 79 ARS 64

From
The Secretary to the Govt., of Mysore, PWD, Bangalore.

To
The Chief Engineer, Investigation of projects
Bangalore.

Sir,

Sub:- As at page 52/ Cf.

I am directed to invite a reference to the Government Lette

~~Memo of~~ even number dated 27-8-65, ~~the subsequent remind er~~

~~of even number dated~~..... ~~and your letter~~ No.....

~~dated~~.....on the above subject and to request you kindl

to expedite your reply as the matter is urgent/~~long pending~~.

Yours faithfully,

9/11/65

for Secretary to Government,
Public Works Department(I).

5/11

GOVERNMENT OF MYSORE

PW D 79 GKS 64.

MYSORE GOVERNMENT SECRETARIAT
VIDHANA SOUDHA,

Dated, Bangalore,.. 12 Novr. ..19(

The Secretary to the Government of Mysore,
Public Works Department.

The Chief Engineer, ~~Irrigation~~ Investigation of Projects,
Bangalore.

Sir,

Sub:-Silt Survey-Conducting silt Survey in the Tungabhadra Reservoir on a permanent basis -Regarding.

-

I am directed to invite a reference to the Government letter of even number dated 27-8-196 on the above subject and to request you kindly to expedite your reply as the matter is urgent.

Yours faithfully,

(M.Channappa)
Deputy Secretary to Governm
Public Works Department (I

Issued
Dated 12/11/65
ncj/d.101165.

Government of Mysore

No.CEI/MERS/EDS/ 1328

Office of the Chief Engineer,PWD,
Investigation of Projects,
PWD Buildings, Ananda Rao Circle,
Bangalore: Dated: 12th Nov. 1965.

To

The Secretary to Government,
Public Works Department, Bangalore.

MYSORE GOVT. SECRETARIAT
No. 3827
RECEIPT & ISSUE SECTION

Sir,

Sub: Laying down uniform proceedure for conducting the silt survey in Storage reservoirs - undertaking the silt survey work in Tungabhadra Reservoir by the Mysore Engineering Research Station, Krishnarajasagara.

--

Ref: Government letter No.PWD 79 GKS 64 dated 27-8-65.

--

The Echo depth sounder may be purchased by debitting the expenditure to the head 44 INED Works (Non Commercial), A. Irrigation works 'd' Tools and Plants - New Supplies, of the Mysore Engineering Research Station against the existing budget provision of Rs.2,50,000/- during the current year 1965-66).

I, therefore, request approval for purchase of Echo-depth sounder at a cost of Rs.19,687.52.

Yours faithfully,

Chief Engineer,
Investigation of Pro

M. G. S. App. F VI—G.2]

SUBJECT MACHINERY AND EQUIPMENT = ECHO DEPTH SOUNDING EQUIPMENT - TO M.E.R.S. K.R.SAGAR -- SANCTION OF.

Diary No. of letter replied to.....

Mysore Government Secretariat

( )

the 195 .

Date of issue.....195 .

Signed by.....

May this be—

(i) printed?
(ii) treated as a Standing Order?
(iii) published in the Gazette, English Part?
(iv) translated?
(v) placed at the disposal of the Press?
(vi) published in the Gazette, Kannada Part?

tion

al No.

No.

Proceedings of the Government of Mysor

Read—

Letter No.5356/B1/64-4 dated-22.5.1965 from the Secretary, Tungabhadr Board, Bellary Dist.

Correspondence ending with letter No.CEI/MERS/EBS/1328 dt.12.11.65 from the C.E.(Invst.),Bangalore.

PREAMBLE.

The Secretary, T.B.Board in his ~~Order thereon. No.~~ letter dated 22.5.65 has reported that the Echo depths Sounder was temporarily lent to Research officer, M.E.R.S. ~~KxRx~~ K.R.Sagar, in the year 1961 for the conducting silt survey of purposes of the T.B.Reservoir. The instrument has not since been returned. The Secretary, Tungabhadra Board Reservoir, has further stated that as Board is agreeable has offered the same for sale. It is reported that the cost of the Echo—Depths sounding equipment is Rs19687-52.

The C.E.(Invstg.) who was consulted in the matter has reported that the Echo Depths sounder taken on loan from the T.B.Board will be useful in his zone and it is desirable to purchas

ls instrument at a cost of Rs.19,687-52
l the expenditure on this account
y be debited to the head "44 I.N.E.D.
rks (Non-commercial).A.Irrigation
rks 'd' Tools & Plants - New
pplies of the M.E.R.S. against the
isting provision of Rs.2,50,000/-
ring the current year (1965-66).

O R D E R NO.PWD

BANGALORE,DATED THE DECR.1965.

Govt. are pleased to accord
nction to the purchase of the Echo
pth sounder mentioned above at a cost of Rs.19,687-52 (
r the use of the M.E.R.S. K.R.Sagar
e expenditure being debitable to the
ad "44 I.N.E.D. Works (Non-commercial)
Irrigation Works 'd' Tools & Plants -
w supplies of the M.E.R.S. against
e existing budget provision of
2,50,000/- during the current year
65-66.

BY ORDER ETC.,

5/1/66

Dy.Secretary to Govt.
P.W.D.(IRRG.)
21/1

To

1. The C.E.(Invstg.) Bangalore.
2. The A.G.through F.D.
3. The Secretary, T.B.Board, T.B.Dam
Via Hospet, Bellary Dist.

Copy to Weekly Gazette.

GOVERNMENT OF MYSORE

No. PWD 79 GKS 64

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated. Bangalore 27th Jany. *1966*

FROM

The Secretary to t[illegible]rnment of Mysore,
Public Works Department.

To

The Secretary,
Tungabhadra Board,
Tungabhadra Dam Post,
Via Hospet. (Bellary District)

Sir,

Sub:- Machinery and Equipment-Echo Depth Sounding equipment to Mysore Engineering Research Station, Krishnarajasagar - sanction of.

I am directed to enclose herewith a copy of the G.O.No.PWD 79 GKS 64 dated 17-1-1966 on the subject above mentioned for information.

Yours faithfully,

27/1/66

(M.Channappa)
Deputy Secretary to
Public Works Departm

Issued 27/1/66

MYSORE GOVT. SECRETARIAT
No. 280
29 JAN 1966
P.W.D. (RECEIPT)

TUNGABHADRA DAM, 60
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE.

Dated 25/1/1966.

Letter No.5356/B1/64-12.

From

Shri G. N. Pathak,
S e c r e t a r y.

To

The Secretary to the Governme...
of Mysore,
Public Works Department,
Bangalore.

Sir,

Sub:- Silt Survey - Conducting Silt Survey in the Tungabhadra Reservoir on a permanent basis- Regarding.

Major G Lutton
Lm 29/1/66

Ref:- 1)Your letter No.PWD 78 GKS 64 dt. 2-7-65.
ii)This Board's letter No.5356/B 64-8 dt. 11-8-65 and reminder even No.dt. 22-9-65, 1-11-65 & 3-12-65.

****

I am directed to invite a reference to the Board's letters cited and to request you kindly to favour me with an early reply in the matter.

Yours faithfully,

Secretary,
Tungabhadra Board.

BSN 29.1.66.

25/1/66

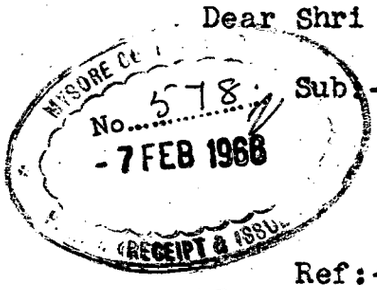
G. N. PATHAK
Secretary.

TUNGABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

Dated..4../..2../...1966.

D.O. Letter No. 2480/B1/63-15.

Dear Shri Channappa,



Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir undertaking of silt survey work in Tungabhadra Reservoir by Mysore Engineering Research Station, Krishnarajasagar-- Regarding.

Ref:- i) This Board's letter No.2004/B1/57 dated 26-10-1960.
ii) This Board's letter No. 2004/B1/57 dated 15-12-1960.
iii) Your letter No. PWD 79 GKS. 64 dated 2-12-1964.

--:::-

Please refer to the letters cited above.

2. I shall be obliged if you could kindly favour me with three copies of report on the silt survey work in Tungabhadra Reservoir done by the Mysore Engineering Research Station, Krishnarajasagar for reference in the Board.

Yours sincerely,

(G.N.Pathak) 4/2/66

Shri M. Channappa,
Deputy Secretary to Government
Of Mysore,
Public Works and Electricity Department,
[illegible] BANGALORE-1.

GOVERNMENT OF MYSORE

No.PWD 79 Gks 64.

Mysore Government Secretariat
Vidhana Soudha,
Bangalore, Dated 7-3-1966.

From

The Secretary to the Government of Mysore,
Public Works Department.

To

The Chief Engineer, ~~I.P/Gl.,~~ ~~Bxxxgxxxxxxx~~
Investigation, Bangalore.

Sir,

Sub:- As at page 141 CF.

.....

I am directed to invite a reference to the Government letter/ ~~Memo~~ of even number dated 30-10-65. . . . ~~the subsequent remi-~~ ~~nders of even number dated~~ ~~and your letter No.~~ ~~dated~~ on the above subject and to request you kindly to ~~expedite your reply as the matter is urgent/long pending.~~ forward a copy of the report on soil survey of Jungalkadra reservoir for examining the same from an underwater angle Yours faithfully,

for Secretary to Government PWD
(Irrigation).

TUNGABHADRA DAM
via HOSPET) BELLARY DISTRICT,
MYSORE STATE

Dated 10/3/1966

MYSORE GOVT. SECRETARIAT
No. 869
14 MAR 1966
P. W. D. (RECEIPT)

Memorandum No. 5356/B1/64.

Sub:- Silt Survey--Conducting silt survey in the Tungabhadra Reservoir on a permanent basis--Regarding.

Ref:- This Board's Letter No. 5356/B1/64-4 dated 22-5-1965 addressed to the Secretary to Government of Mysore Public Works Department.

ii) Letter No. 74/65 CE/JE/7 dated 6-8-1965 of Chief Engineer, Irrigation Branch.

iii) Order No. PWD 79 GKS 64 dated 17-1-1966 of the Government of Mysore, Public Works and Electricity Department.

--:::--

The Tungabhadra Board has purchased an echo-depth Sounder for conduting silt survey in the Tungabhadra Reservoir. The Government of India have placed at the disposal of the Government of Mysore certain moneys for conducting silt survey in the Tungabhadra Reservoir as well as the Krishna Raja Sagar Reservoir. The echo-depth sounder purchased by the Tungabhadra Board was used by the Director, Mysore Engineering Research Station, Krishna Raja Sagar for conducting silt survey in the Tungabhadra Reservoir.

2. The Tungabhadra Board has decided at its Fourth Meeting (1964-65) that if the Government of Mysore want to purchase the echo-depth sounder, it could be sold to them. Accordingly a request was made to the Secretary to Government of Mysore, Public Works Department in the reference cited first to intimate to the Board whether the Government of Mysore would like to purchase the echo-depth sounder from the Tungabhadra Board. The Chief Engineer, Irrigation Branch has stated in his letter cited second that the cost of the Echo-depth

.2

Sounder is Rs. 19,687.52. The Government of Mysore, Public Works and Electricity Department have agreed to purchase the echo-depth sounder at a cost of Rs. 19,687.52 from the Tungabhadra Board in the reference cited third for the use by Mysore Engineering Research Station, Krishna Raja Sagar.

3. The Chairman, Tungabhadra Board has been pleased to direct that the echo-depth sounder may be released to the Government of Mysore, Public Works and Electricity Department at a cost of Rs. 19 [illegible] plus [illegible]tage charges leviable for such sales.

9/3

(G.N.Pathak)
Secretary,
ungabhadra Board.

9/3

To
The ChiefEngineer,
Irrigation Branch,
Tungabhadra Board. Tungabhadra Dam. P.O

Copy:- (i) the Secretary to the Government of Mysore Public Works and Electricity Department, Bangalore.

(ii) the ChiefEngineer (Investigation) Ananda Rao Circle, Bangalore.

iii) the Superintending Engineer, Irrigation Branch, Tungabhadra Board.

(iv) the Director, Mysore Engineering Research Institute, Krishnaraja Sagar, Mysore, Bangalore.

TUNGABHADRA DAM
(... HOSPET), BELLARY DISTRICT,
MYSORE STATE

G. N. PATHAK,
S E C R E T A R Y.

Dated...../3/1966196 .

D.O. Letter No. 2480/B1/63--16.

Dear Shri Channappa

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir - Undertaking of silt survey work in Tungabhadra Reservoir by Mysore Engineering Research Station, Krishnarajasagar - Regarding.

No. 963
22 MAR 1966
P.W.D. (REC)

Ref:- i. Your letter No.PWD 79 GKS 64 dated 2-12-1964.
ii. My D.O. Letter No.2480/B1/63-15 dated 4-2-1966.

Please refer to my D.O. letter cited second.

2. I shall be obliged if you could kindly favour me with three copies of report on the Silt Survey work in Tungabhadra Reservoir done by the Mysore Engineering Research Station, Krishnarajasagar for reference in the Board.

Yours sincerely,

(G.N. PATHAK) 18/3/66

Shri M. Channappa,
Deputy Secretary to Government,
Public Works& Electricity Department,
Vidhana Souda,
BANGALORE-1

MYSORE GOVERNMENT SECRETA

D. O. No. PWD 29 GAS 64

Dated, Bangalore,..... .. ..

Sub ✻ DO at page 14/cr

(1) PWD 51/67

DEAR SIR,

I am desired to invite ~~your attention~~ reference to ~~this Office~~ Govt Letter ~~No.~~ of even number, dated 30-10-65 (1), and the subsequent ~~reminders~~ reminder of even number dated 7/3/66 ~~reminders~~, on the subject mentioned above & subject and to request you kindly to forward a copy of the report on old survey of Tungabhadra Reservoir examining the same from understate angle ~~and to request that reply thereto may kindly be expedited, as the matter is long pending~~.

Yours sincerely,

11/4/66

Sri. L. J Amrabhavi, B. E., ~~M. I. E. (INDIA)~~
C. E. Investigation of parcels
Bangalore

M.CHANNAPPA, B.E.,AMIE
Dep / Secretary toGovernme
P._Department(Irrigation)

D.O.No.PWD 79 GKS 64

ear Sir,

Sub: Tungabhadra Reservoir - Calculation regarding back water effect on some village on the fore-shore - regarding.

I am desired to invite reference to Government letter of even umber dated 30.10.65 and the subsequent reminder of even number dated .3.66 on the subject mentioned above and to request you kindly to for-ard a copy of the report on ~~first~~ 2nd survey of Tungabhadra Reservoir for xamining the same from interstate angle.

Yours sincerely,

hri L.T.Aminbhavi, B.E., ~~Retd~~,
hief Engineer, Investigation of Projects,
angalore.

Issued
3-4-66

(68)

TUNGABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

G. NARASIMHA RAO,
ASSISTANT SECRETARY.

Dated 26/4/'66 ...196 .

D.O. Letter No. 2480/B1/63--17.

Dear Sir,

Sub:- Laying down uniform procedure for conducting Silt survey in storage reservoir - Undertaking of silt survey work in Tungabhadra Reservoir by Mysore Engineering Research Station, Krishnarajasagar - Regarding.

Ref:- i. Your letter No. PWD 79 GKS 64 dated 2-12-1964.

ii. D.O.Letter No. 2480/B1/63-16 dated 18-3-66 of Shri G.N. Pathak.

---

(1) P.9/67
(2) P.65/67
1449
29 APR 1968
P.W.D. (RECEIPT & ISSUE)

Please refer to D.O. letter cited ~~above~~ second.

2. I shall be obliged if you could kindly favour with three copies of report on the Silt Survey work in Tungabhadra Reservoir done by the Mysore Engineering Research Station, Krishnarajasagar for reference in the Board.

Yours sincerely,
(G.NARASIMHA RAO).

XXP
Gen. Ini
29/4

Shri M. Channappa,
Deputy Secretary to Government,
Public Works & Electricity Department,
Vidhana Soudha, BANGALORE-1.

29.4.66

PWD 79 Gk 564 MYSORE GOVERNMENT SECRETARIAT

Dated, Bangalore,.....

Sub:- As in page 6 Ner

DEAR SIR,

I am desired to invite your attention to this Office ~~Letter~~ Govt letter even number ....., dated 30-10-65, and subsequent ...D.O. under reference number dated reminders, 7-3-66 and 13-4-66 on the subject mentioned above and to request ~~that~~ kindly to forward a copy of the report on silt survey of Tungabhadra Reservoir examining the same from investigative angle and to request that reply thereto may kindly be expedited, as

M.CHANNAPPA, B.E., A.M.I.E.,
Deputy Secretary to Govt.,
Public Works Dept.(Irrgn.).,

Vidhana Soudha,
Bangalore,
Dated 12th May 1966.

D.O.No.PWD 79 GKS 64.

Dear Sir,

Sub:- Laying down uniform procedure for conducting Silt survey in storage reservoir - Undertaking of silt survey work in Tungabhadra Reserv(by Mysore Engineering Research St(tion , Krishnarajasagar - Regardi(

I am desired to invite your attention t(this Govt. letter of even number dated 30-10-6(and the subsequent reminder of even number dat(7-3-66 and 13-4-66 on the subject mentioned abov(and to request you kindly to forward copy of the report on silt survey of Tungabhadra Reservoir for examining the same from interstate angle.

ISSUED
Dated 18/5/66

Yours sinc(

Shri L.T.AMINBHAVI, B.E.,
Chief Engineer,
Investigation of Projects,
Bangalore.

No.CEI/TA2/SST/ 157/66. Office of the Chief Engineer, P
Investigation of Projects,
Bangalore. 12/5.

To

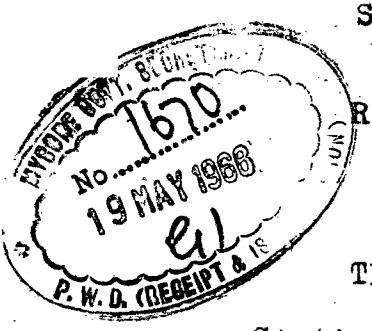
The Secretary to Government
Public Works Department,
Vidhana Soudha, Bangalore.

Sir,

Sub:- Report on Silt Survey of T.B. Reservoir- Regarding.

Ref:- Your D.O.letter No.PWD 79 GKS dated 13.4.1966

.....



The Director, Mysore Engineering Rese Station, Krishnarajasagar has been address to forward the report on Silt Survey of Tu Bhadra Reservoir for examining the same fr interstate angle. Further action will be taken after ~~the~~ receipt of the report from the Director.

Yours faithfully,

for A.V.S.Rao 17/5
Chief Engineer, PWD,
Investigation of Projects.

17/5.

H. J. Desai,
S e c r e t a r y.

TUNGABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

Dated....21../..6../..196 6

D.O. Letter No. 2480/B1/63-18

Dear Sri Chennappa,

NO 2827 23 JUN 1966 P.W.D. (RECEIVED) 2222

Sub:- Laying down uniform procedure f conducting silt survey in stora reservoir - Under-taking of sil survey work in Tungabhadra Rese by Mysore Engineering Research Station, Krishnarajasagar - Regarding.

Ref:- D.O.letter No.2480/B1/63-17 dated 26-4-1966 of Shri G.Naras Rao, Assistant Secretary,Tungab Board.

****

Major I Letter
P/P urgently

Please refer to D.O.letter cited above.

2. I shall be obliged if you could kindly sen three copies of the report on the Silt Survey wo in the Tungabhadra Reservoir carried over by the Mysore Engineering Research Station, Krishnaraj for reference in this Board.

Yours Sincerely,

(H. J. Desai)

Shri M.Channappa,
Deputy Secretary to Government
of Mysore, Public Works Department
and Electricity Department,
Vidhana Soudha,
Bangalore.

OFFICE OF

THE CHIEF ENGINEER, P.W.D.,
Investigation of Projects,
Ananda Rao Circle,
Bangalore-9.

Date 23/6/66

No. CEI / TA-2/SST/
Encls. A report and a note.

To

The Secretary to the Government of Mysore,
Public Works and Electricity Department,
"Vidhana Soudha",, Bangalore-1.

STATE GOVT. SECRETARIAT
NO. 2242
25 JUN 1966
G1
P.W.D. (RECEIPT & ISSUE SECTION)

Sub: (1) Silt and Sedimentation Survey of Tungabha Reservoir.

(2) A note on the effect of back water in di reaches of Tungabhadra Reservoir.

Ref: (i) Government letter No. PWD 79 GKS 64 dt
(ii) Government D.O. letter No. PWD 79 GKS 64 12-5-1966.

...

A brief report on the Silt and sedimentation Surv of Tungabhadra Reservoir and a note on the effect of back in different reaches of Tungabhadra Reservoir as mentioned the subject matter are herewith enclosed for kind needful.

~~Receipt of this letter may kindly be acknowledged~~

Yours faithfully,

V. Venkata Rao

FOR CHIEF ENGINEER, PWD,
INVESTIGATION OF PROJECTS.

BRIEF NOTE ON THE SEDIMENTATION SURVEYS OF TUNGABHADRA RESERVOIR

INTRODUCTION

The Tungabhadra River with its name derived from two of major tributories namely Tunga and Bhadra is 480 miles in len upto its confluence with River Krishna at Sangameswaram in An Pradesh. A major reservoir has been built across this River near Mallapuram.

Sedimentation surveys were carried out under the Fundame nd Basic Research Programme sponsored by the Government of I levon reservoirs have been selected under this scheme and Tu s one them.

EQUIPMENTS

Apart from other equipments normally used for land surve s compass, level, theodolite etc. special equipments like mo aunch, two-way radio sets, sextants, echosounder equipments ere obtained and used.

SURVEYS

Important field operations involved in the surveys were:

1. Establishment of range stations
2. Triangulation surveys; and
3. Hydrographic surveys

A number of range points all along the shore line were f p and pillars of cement concrete blocks were constructed at oints. There are one hundred and thirty three main range po nd 38 subsidiary ones.

For triangulation surveys, a straight portion of the mai as selected as the base line measuring 5543.75 ft. One hund ifty seven triangles were surveyed. Shore survey was also c o establish vertical control on the range points and to run f cross sections for drawing contours. 285¼ miles of traver 29 miles of cross sections were covered.

The hydrographic surveys related to taking soundings in eservoir portion for determining the bed configuration. Thi

with sextants, mariner's compass and current meter. A tota length of 161 miles was covered by both the main and subsid range lines.

COMPUTATIONS

The soundings are reduced to the ground levels at the respective points on the bed of the reservoir. Contours at 10 ft. intervals are drawn. The capacity of the reservoir existing is computed. Compared with the original capacity it is seen that 4,10,500 acre-feet of silt has accumulated.

RESULTS OF THE STUDY

The loss in capacity of the reservoir due to siltation is 377.29 acre-feet per 100 sq.miles of water-shed area per on the average. Compared with the original capacity the tot loss so far is 13.49% over a period of ten years. The loss dead storage is 45.54% and in live storage 13.38%.

66 It is suggested that surveys be carried out once in thr years five years to study the pattern and the rate of siltat Further arrangements are being made to gauge the rate of sil charge in the Tungabhadra and its tributaries upstream and i the river downstream to correlate the extent of siltation wi inflow of sediment.

It may be mentioned in this connection that the figures of siltation per year in ac.ft.per year 100 sq.miles of catc in some of the reservoirs in India are:

1. Gobindasagar (Bhakra) - 160 (1959-to 1963)
2. Panchet Hill Reservoir (D.V.C.) - 330 (1958 to 1963
3. Maithon (D.V.C.) - 304 (1958 to 1963) and
4. Matatila (U.P.) - 107 (1962 to 1964) and
5. Mayurakshi (W.Bengal) - 463 (1954 to 1963).

Extract of Para 51 of "Report on the Tungabhadra Project, 1942, High Level Canal Scheme" By. Sri. M.S. Tirumalai Iyengar.

51. Silting in the Tungabhadra Reservoir:

It is not possible to estimate with any great accuracy the quantities of silt that will be deposited in the reservoir. There has not been any study of the silt conditions in the river for a long number of years. But from October 1939, samples of river silt are being analysed in the Siruguppa Farm Chemical Laboratory and these figures will be taken as affording some basis for calculating the life of the reservoir. Some data is better than nothing. Samples are taken at the following places which are situated above the dam site, (1) Valvapur anicut 12 miles above the dam site and (2) Hosa kota anicut about 4 miles above the dam site. Samples are taken also from the channels taking off above the anicuts but the total quantity drawn during the year through them ghaing very small are here neglected. At any rate these two anicuts will be submerged in the new reservoir and the silt percentage in the river above these anicuts will be applied to the total average flow in the river for the whole year. Thus the silt drawn off by th channels also will come into the computation automatical Samples were taken every fortnight and analysed.

The analysis made at the Siruguppa Farm Laboratory are shown in the statement V of Appendix 2.

The whole period of the river flow may be divided into two seasons - the flood and dry seasons.

The floods occur for four months generally July to October. In the reservoir these are the four months when it is likely to surplus. In the other eight months the river inflow will be passed down generally through the low level sluice in the dam. The average suspended matter contents for the two seasons are as foll ows:-

Season	Percentage by volume above Hosakata anicut		Percentage by volu above Valvapur an	
	Specific Gravity 2.	Specific Gravity 1.6	Specific Gravity 2.	Spec Gravi
July to Octr.	.0385	.0482	.0235	.029
NOvr.to June.	.0068	.0085	.0068	.008

Taking the highest values of the silt percentage above the two anicuts arrived at from the lower specific gravity, the percentage of suspended matter is .0482 from July to October and .0085 from November to June. The average total river flow in Tungabhadra is 336 thousand million cubic feet a year. Out of this it is quit on the safe side to assume 75 per cent as the flood flow from July to October. This 75 per cent fairly well tallie on a reference to the July to October flow for the past 3 years at Valvapur anicut- vide estatement IV of Appendix- Assuming that the suspended matter in the whole flow is deposited in the reservoir which however is the extreme improbable case the yearly deposit amounts to.

(482 x 252,000) cubic feet (Plus) (65x84,000) cubic feet = 121.5 (Plus) 7.1 = 128.6 million cubic feet.

(Continued on page....2)

The capacity of the reservoir upto the head sluice sill level of 1585 is 18,454 million cubic feet. It will take 144 years to silt up to the level of the sill of sluices. On this basis the life of the reservoir as a whole will be several hundred years - nearly 800 years. It must be remembered that no allowance has been made for the silt that is discharged when the reservoir is surplusing. Nearly 160 thousand million cubic feet will surplus every year. And about 60 thousand million cubic feet will be passed down through the low level sluices in the dam. An appreciable percentage of silt will thus be passed down. It may be as much as about 25 per cent or even more. Certain percentage of silt will also be floating in the reservoir all the time. No allowance has been made for all these. If all these are taken into consideration, the life of the reservoir beyond doubt, will be for over a thousand years. The Tungabhadra river is not one that brings down enormous sand and silt in the upper portions of its course. A large part of the catchment of the Tungabhadra above the dam site is generally one with a lot of vegetation and forest growth. There is not much of soil erosion under the circumstances, to warr-

To

The C.E.(Invn), Bangalore.

Sir,

Sub:- As in page 72/cr.
Ref:- your letter No.CEI/TA-2/SST
dated 23-6-1966.

I am directed to invite reference to t
letter cited above and to state that a stu
of Silt and Sedimentation report of Tungabl
Reservoir by the Director, M.E.R.S., K.R.S.
reveals ~~that the lowest silt level in Tung~~
bhadra Reservoir is at 1550. The capacity
the reservoir upto this level is 53611 acr
feet. It is this capacity upto 1550 that
be termed as the dead storage available in
Tungabhadra Reservoir. It is seen from th
~~Director, M.E.R.S.~~ that the annual rate of si
in Tungabhadra Reservoir is 503.05 acre fe
and the silt already accumulated as on the
period when these surveys were conducted i
4,10,500 acre feet. ~~The note further~~
~~mentions~~ that about 45.54 per cent of the
storage and 13.38 per cent live storage ha
already silted up. ~~The details as to how~~
~~these percentages have been arrived at are~~
~~mentioned in the note. Further it can be~~
~~that~~ if 45.54 per cent of the dead storage
already silted up in this brief period of
about 10 to 15 years, the balance of dea
storage available can be expected to be si
in another 10 to 15 years. This is certai
a very dangerous situation frought with gr
consequences. It would mean that after th
dead storage is filled up the two canals n

It is not clear if this aspect ~~of the Direct M.E.R.S.~~ has been examined by you. ~~since the calculations as to how the figures mentioned note have been examined~~ arrived at are not g

~~Apart from this along with~~ the note on silt ~~sedimentation~~ Besides this the , a note regarding the effect waters in different reaches of Tungabhadra R has ~~also been~~ also been given by the Director, M.E.R.S reveals that for a discharge of 3½ lakhs Cus the river at Tungabhadra Dam, the water level been ~~worked out~~ estimated as about 1653, This when co ~~to~~ with F.R.L. and M.W.L. ~~at~~ of 1633 provided f Tungabhadra Reservoir looks a little abnorma calculations and the ~~notw~~ would would mean that th will be submergence on the fore shore of the voir upto 1653 i.e., about 20 feet higher th maximum water level in the Reservoir. At pr lands in the fore shore have been acquired u about 5 feet higher than the M.W.L. and acco to the present report land lying in further has ~~also~~ also to be acquired

I am therefore to request you kindly t examine ~~this~~ all these aspects ~~of the note also~~ and ~~and~~ a report to Govt with your comments as early possible. The details of the calculations e the percentage of silt accumulation may kindly be obtained from the Director, M. and furnished along with your reply.

GOVERNMENT OF MYSORE

No. PWD 79 GKS 64

MYSORE GOVERNMENT SECRETARIAT,
VIDHANA SOUDHA,

Dated, Bangalore, ...10-8-. 1966.

FROM

The *Secretary to the Government of Mysore,*
Public Works Department, Bangalore

To

The Chief Engineer,
(Investigation),
Bangalore.

Subject: Silt and Sedimentation Survey of Tungabhadra Reservoir.

2) A note on the effect of back water in different reaches of Tungabhadra Reservoi

Ref: Your letter No.CEI/TA.2/SST, dated 23.6.66.

-:o:-

I am directed to invite reference to the letter cited above and to state that a study of Silt and ~~to state that a study~~ sedimentation report of Tungabhadra Reservoir by the Director, Mysore Engineering Research Station, K.R.Sagar reveals that the annual rate of silting in Tungabhadra Reservoir is 503.06 acre feet and the silt already accumulated as on the period when the surveys were conducted is 4,10,500 acre feet. It is also seen that about 45.54 per cent of the dead storag and 13.38 percent of live storage has already silted u Therefore if 45.54 per cent of the dead storage has already silted up in this brief period of about 10 to years, the balance of dead storage available can be ex pected to be silted in another 10 to 15 years. This i certainly a very dangerous situation ~~x~~ frought withgre consequences. It would mean that after the dead stora is filled up the two canals now functioning at the low levels of 1550 to 1560 will cease to function probabel much before the Ayacut is developed. It is not clear ~~of~~ this aspect has been examined by you.

Besides this the note regarding the effect of back waters in different reaches of Tungabhadra Reservoir as given by the Director, Mysore Engineering Research Station reveals that for a discharge of 3½ lakh Cusecs in the river at Tungabhadra Dam, the water leve has been estimated as about 1653, This when compared with F.R.L. and M.W.L. of 1633 provided for in Tungabh Reservoir looks a little abnormal. The calculations and the note would mean that there will be submergence on the fore shore of the Reservoir upto 1653 i.e., abo 20 feet higher than the maximum water level in the Reservoir. At present lands in the fore shore have been acquired upto about 5 feet higher than the M.W.L. and according to the present report land lying in further 15 feet has also to be acquired.

I am therefore to request you kindly to examine all these aspects and furnish a report to Government with your comments as early as pc The details of the calculations regarding the percentage of silt accumulation may kindly be obtained from the Director, Mysore Engineering Research Stateion and furnished along with your reply.

Yours faithfully,

(S.T.MOHAN)
UNDER SECRETARY TO GOVERNMENT
PUBLIC WORKS DEPARTMENT(TECHNICAL)

Copy to Director, Mysore Engineering Research Station, K.R.Sagar for information.

Chand; 6/3

C.F. No. 45]

GOVERNMENT OF MYSORE

Telegram / phone

OFFICE OF

No. CEI/MERS/EDS/
Encls

THE CHIEF ENGINEER, P.W.D.,
Investigation of Projects,
Ananda Rao Circle,
Bangalore-9.
Date....THE.....6.....AUGUST

The Secretary to the Government of Mysore,
Public Works and Electricity Department,
"Vidhana Soudha", Bangalore - 1.

MYSORE No. 225 8 AUG 1966 P.W.D. (REC.)

Sub: Machinery and equipment - Echo-Depth Sounding Equipment to Mysore Engineering Research Stati Krishnarajasagar.

Government were pleased to accord sanction for the purchase of the above equipment at a cost of Rs. 19,687.52 Government Order No. PWD 79 GKS 64 dated 17-1-1966. The Tu bhadra Board was pleased to release the said equipment to t Government of Mysore, Public Works and Electricity Departme at a cost of Rs. 19,687.52 plus centage charges leviable fo such sales vide their Memorandum No. 5356/B1/64 dated 10-3- (copy enclosed for reference).

It is reported by the Director, Mysore Engineering Station, Krishnarajasagar, that the Executive Engineer, Civ Tungabhadra Dam has raised a bill of cost as follows:-

Cost of equipment	--	Rs.	19,687=52
Storage charges	--	Rs.	2=20
Centage charges	--	Rs.	1,968=75
Sales Tax	--	Rs.	1,378=13
	Total cost:		23,036=60

The centages added by the Tungabhadra Board are the charges usually levied in such sale transactions and hence ble.

It may be necessary to point out here that the abov equipment is a foreign equipment with no indigenous equival and that if the present opportunity is lost, it will involv greatly increased cost in securing another and may even cau inexorable delay in procuring one. Further, the possession such equipment will be very useful for carrying out marine surveys.

Therefore, the extra charges involved are inevitabl may agreed to.

It is, therefore requested that orders of Government are caused to be issued early for the purchase of the above equipment at a cost of Rs. 23,037/= in modification the Government Order of 17th January 1966.

Yours faithfully,

6/8

CHIEF ENGINEER, P.W.D.,
IRRIGATION OF PROJECTS,
BANGALORE.

COPY OF MEMORANDUM NO. 5356/B1/64 dated 10th March 1966 from Secretary, Tungabhadra Board, to the Chief Engineer, Investigatic of Projects, Ananda Rao Circle, Bangalore-9.

Subject:- Silt Survey -- Conducting silt survey in the Tungabhadra Reservoir on a permanent basis - Regarding.

Reference:- This Board's letter No. 5356/B1/64-4 dated 22-5-1965 addressed to the Secretary to Gover ment of Mysore Public Works Department.

ii) Letter No. 74/65 CE/JE/7 dated & 6-8-1965 of Chief Engineer, Irrigation Branch.

iii) Order No. PWD 79 GKS 64 dated 17-1-1966 of the Government of Mysore, Public Works and Electricity Department.

The Tungabhadra Board has purchased an echo-depth Sounder for conducting silt survey in the Tungabhadra Reser The Government of India have placed at the disposal of the Government of Mysore certain moneys for conducting silt sur in the Tungabhadra Reservoir as well as the Krishna Raja Sa Reservoir. The echo-depth sounder purchased by the Tungabh Board was used by the Director, Mysore Engineering Researcl Station, Krishna Raja Sagar for conducting silt survey in t Tungabhadra Reservoir.

2. The Tungabhadra Board has decided at its Fourth Meeting (1964-65) that if the Government of Mysore want to chase the echo-depth sounder, it could be sold to them. Ac ingly a request was made to the Secretary to Government of Public Works Department in the reference cited first to int to the Board whether the Government of Mysore would like t purchase the echo-depth sounder from the Tungabhadra Board. Chief Engineer, Irrigation Branch has stated in his letter ~~xxxxx~~ second that the cost of the Echo-depth Sounder is Rs Rs. 19,687.52. The Government of Mysore, Public Works and Electricity Department have agreed to purchase the echo-de sounder at a cost of Rs. 19,687.52 from the Tungabhadra Boa in the reference cited third for the use by Mysore Enginee Research Station, Krishnarajasagar.

3. The Chairman, Tungabhadra Board has been pleased to direct that the echo-depth soundermay be ~~x~~ released to Government of Mysore, Public Works and Electricity Departm at a cost of Rs. 19,687=52 plus centage charges leviable f such sales.

Sd/-
(G.N.PATHAK)
SECRETARY,
Tungabhadra Board.

/COPY/

618

FOR CHIEF ENGINEER, P.W.D.,
INVESTIGATION OF PROJECTS, B'LORE.

M. G. S. App. F VI—G. 2]

SUBJECT ..... As at page 8 1/ea .....

.....

.....

Diary No. of letter replied to.....

Mysore Government Secretariat

( )

the 195 .

Date of issue.....195 .

Signed by.....

May this be—

(i) printed?
(ii) treated as a Standing Order?
(iii) published in the Gazette, English Part?
(iv) translated?
(v) placed at the disposal of the Press?
(vi) published in the Gazette, Kannada Part?

Section

Serial No.

File No.

Proceedings of the Government of Mysore

Read—

G.O. No PWD 79 CRS 64 dated 17-1-1966

Letter No. CEI/MERS/EOS dated 6-8-66 from the CE (Comm) Bangalore.

Preamble:-

In G.O. No PWD 79 CRS 64 dated 17-1-66, sanction was accorded for the purchase of ~~Order thereon:- Na~~ Echo-Depth sounding equipment from the Engg. Tungabhadra Board at a cost of Rs. 19687-52 for the use of M.E.R.S., K.R. Sagar.

The C.E (Comm) has stated that it as reported by the Director, M.E.R.S., K.R. Sagar that the E.E., Tungabhadra Board, Munirabad Dam has passed a bill of cost as follows:-

Cost of equipment	Rs. 19687-52
Storage charges	Rs. 2-20
Cartage charges	Rs. 1968-75
Sales Tax	Rs. 1378-13
	Total-Rs. 23,036-60

It as reported that the cartages added by the T.B. Board are th

(6) Charges usually levied in such sale transactions and hence acceptable. It is further reported that the above equipment is a foreign equipment with no indigenous equivalent and the possession of such equipment will be very useful for carrying out ~~magnetic~~ surveys.

In the circumstances the C.E (Hqrs) has requested sanction of Govt. for the purchase of the equipment at a cost of Rs. 23,037/- in modification of G.O.Rt. P.W.D 79 CHS 64 dated 17-1-1966

Order:

In modification of G.O.Rt.No.P.W.D 79 CHS 64 dated 17-1-1966, sanction is accorded for the purchase of M/s. Echo-depth Sounding equipment at a cost of Rs. 23,037/- (in words) for the use of M.E.Rs. & Rasayan.

By order etc.,

Under Secretary
P.W.D (CT)

List of Enclosures.

To

The C.E (Hqrs), Bangalore
The E.E. M.E.Rs. & R.D
Copy to weekly gazette

Sub:-Machinery and equipment - Echo-Depth Sounding Equipment to Mysore Engineering Research Station Krishnarajasagar.

Read:-Govt.Order No.PWD 79 GL[illegible]

Letter NO.CNI/[illegible] dated 6-8-1956 from the Chief Engineer, Mly.Bangalore.

Preamble:- In Government Order No.PWD 79 GMS 64 dated 17-1-19 sanction was accorded for the purchase of Echo-Depth Sounding from the Secretary, Tungabhadra Board at a cost of Rs.19307-0 use of M.E.R.S. K.R.Sagar.

The Chief Engineer, Investigation Projects, has stated t is reported by the Director, Mysore Engineering Research Stat Sagar that the Executive Engineer Civil Division, Tungabhadra Tungabhadra Dam has raised a bill of cost as follows:-

Cost of Equipment	------	Rs.19,607-62
Storage Charges	------	Rs. 8-20
Control Charges	------	Rs. 1,008-75
Sales Tax	------	Rs. 1,370-13
Total		Rs.22,036-70

It is reported that the charges added by the T.B.Board are t normally levied in such sale transactions and hence acceptable Further reported that the above equipment with no indigenous equivalent and the possession of such equipment will be very for [illegible] carrying out hydrographical surveys.

In the circumstances, the Chief Engineer(Investigati requested sanction of Government for the purchase of the equi a cost of Rs.23,037/- in modification of Government Order No. GMS 64 dated 17-1-1956.

ORDER 16/9/66

In modification of Government Order No.PWD 79 GMS 64 dated 17-1-1956 sanction is accorded for the purchase of Echo Sounding Equipment at a cost of Rs.23,037/- (Rupees Twenty t and Thirty seven only) for the use of Mysore Engineering Rese Station, K.R.Sagar.

By Order and in the nam Governor of Mysore,

(S.K.Mohan) Under Secretary to Govern Public Works Department

Issued dated 21-9-66

To

The Chief Engineer, Investigation of Projects, Bangalore. The Accountant-General, Mysore, Bangalore, through F.D. Monthly Gazette.

[illegible]

(86)(1)

S. S. Ahmed,
S e c r e t a r y

ABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

Dated....17./..8./..196 6

D.O. Letter No. 2480/B1/63-19

Dear Shri Channappa,

MYSORE GOVT. S
No. 2892
20 Aug 1966
P. W. D. (RECEIPT & ISSUE

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir - Undertaking of silt survey work by Mysore Engineering Research Station, Krishnarajasagar Regarding.

Ref:- D.O.letter No.2480/B1/63-18 dated 21-6-66 of Shri H.J.Desai Secretary, Tungabhadra Board addressed to you.

****

Please refer to the D.O.letter cited above.

2. I shall be obliged if you could kindly send three copies of the report on the silt survey work in Tungabhadra Reservoir carried over by the Mysore Engineering Research Station, Krishnarajasagar for reference in this Board.

Yours Sincerely,

(S. S. Ahmed)

Shri M.Channappa,
Deputy Secretary to Government
of Mysore,Public Works Department,
Vidhana Soudha, Bangalore

C.F. No. 45]

GOVERNMENT OF MYSORE

Telegram / phone

OFFICE OF

THE CHIEF ENGINEER, P.W.D.,
Investigation of Projects,
Ananda Rao Circle,
Bangalore - 9.

No. CEI/TA2/SST/
Encls.

Date THE 9th AUGUST 1966.

To

The Secretary to the Government of Mysore,
Public Works and Electricity Department,
"Vidhana Soudha", Bangalore - 1.

Sir,

GOVT. OF MYSORE No. 2932 9 AUG 1966

Subp (1) Silt and Sedimentation Survey of Tungabhadra Reservoir.

(2) Note on back water effect in different reaches of Tungabhadra Reservoir.

Refp Government letter No. PWD 79 GKS 64 dated 10-8-1965.

The Director, Mysore Engineering Research Station, Krishnarajasagar, was entrusted with the work of carrying out a survey of silt and sedimentation and working out the back-water effect in the Tungabhadra Reservoir, and reporting the findings. This has been complied with vide reports forwarded under this office No. CEI/TA2/SST dated 23-6-1966. It may be noted from the report on silt and sedimentation under " Results of the Study" siltation figures in other reservoirs have also been furnished for comparison. It is now upto the Chief Engineer in-charge of the Tungabhadra Reservoir viz., the Chief Engineer, Irrigation Projects or the Tungabhadra Board as the case may be, to study the findings and take necessary measures. This study was actually taken up at the instance of the latter please vide Government letter No. PWD. 79 GKS 64 —Datedp 17th May 1965, addressed to the Director, Mysore Engineering Research Station, Krishnarajasagar.

Further, the Chief Engineer concerned may be directed to obtain any further information required from the Director, Mysore Engineering Research Station.

Yours faithfully,

9/8

CHIEF ENGINEER, P.W.D.,
INVESTIGATION OF PROJECTS.

I am directed to forward herewith a brief report on the silt and sedimentation survey, of Tungabhadra Reservoir, and a note on the effect of back waters in different reaches of Tungabhadra Reservoir as received from the C.E.(Investigation) in his letter No.CEI/TA2/SHT dated 23.6.66, and to state that a study of silt and sedimentatic report ~~in~~ of Tungabhadra Reservoir by the Director ~~M~~.E.R.S.—> K.R.Sagar, reveals that the annual rate of silting in Tungabhadra Reservoir is 503.05 acre fe and the silt already accumulated as on the period when these surveys were conducted is 4,10,500 ac feet. It is also seen that about 45.54 per cent of the dead storage and 13.38 per cent of live storage has already silted up. Therefore if 45.54 per cent of the dead storage has already silted up in this brief period of 10-15 years, the balance of dead storage available can be expected to be silted in another 10-15 years. This is certainly a very dangerous situation frought with great consequences. It would mean that after the dead storage is filled up the two canals now functioning at the low levels of 1550 and 1560 will cease to function probably much before the ayacut is developed. ~~It is not clear~~ This aspect has been examined carefully

Besides this the note regarding the effect of back waters in different reaches of Tungabhadra Reservoir as given by the Director, M.E.R.S., reveals that for a dischargo of 3½ lakhs cusecs in the river at Tungabhadra Dam the water level has been estimated as about 1653, This when compared with the F.R.L. and M.W.L. of 1633 provided for in the Tungabhadra Reservoir looks a little abnormal. The calculations and the note would mean that there will be submergence on the fore-shore of the reservoir upto 1653 i.e., about 20 ft. higher than the maximum water level in the reservoir. At present the lands in the fore-shores have been acquired upto about 5-ft. higher than the M.W.L. and according to the present report land lying in the further 15 ft. has also been acquired.

I am therefore to request you kindly to examine all these aspects and furnish a report to Govt. with your comments as early as possible. The details of the calculations reg: percentage of silt accommulation may kindly be obtained from the Director, M.E.R.S. and furnished along with your reply.

PWD 79 GKS 64.

14 Oct, 66

Public Works Department, Bangalore.

The Chief Engineer,
Irrigation Projects,
Bangalore.

Sir,

Sub:- Silt and Sedimentation Survey of Tungabhadra Reservoir.

2) A note on the effect of back water in differente reaches of Tungabhadra Reservoir.

I am directed to forward herewith a brief report on the silt and sedimentation survey, of Tungabhadra Reservoir, and a note on the effect of back waters in different reaches of Tungabhadra Reservoir as received from the Chief Engineer(Investigation) in his letter No.CEI/TA2/SHT dated 23-6-1966, and to state that a ~~study~~ study of silt and sedimentation report of Tungabhadra Reservoir by the Director, Mysore Engineering Research Station, K.R.Sagar, reveals that the annual rate of silting in Tungabhadra Reservoir is 503.05 acre feet and the silt already accumulated as on the period when these surveys were conducted is 4,10,500 acre feet. It is also seen that about 45.54 per cent of the dead storage and 13.38 per cent of live storage has already silted up. Therefore if 45.54 per cent of the dead storage has already silted up in this ~~behalf~~ brief period of 10-15 years, the balance of dead storage available can be expected to be silted in another 10-15 years. This is certainly a very dangerous situation frought with great consequences. It would mean that after the dead storage is filled up the two canals now functioning at the low levels of 1550 and 1560 will cease to function probably much before the ayacut is developed. This aspect has to be ~~carefully~~. examined carefully

Besides this the note regarding the effect of back waters in different reaches of Tungabhadra reservoir as given by the Director, Mysore Engineering Research Station, reveals that for a discharge of 3½ lakhs cusecs in the river at Tungabhadra Dam the water level has been estimated as about 1653. This when compared with the F.R.L. and M.W.L. of 1633 provided for in the Tungabhadra Reservoir looks a little abnormal. The calculations and the note would mean that there will be submergence on the fore-shore of the reservoir upto 1653 i.e., about 20 ft. higher than the maximum water level in the reservoir. At present the lands in the fore-shores have been acquired upto about 5-ft. higher than the M.W.L. and according to the present report land lying in the further 15ft has also been acquired.

I am therefore to request you kindly to examine all these aspects and furnish a report to Government with your comments as

early as possible. The details of the calculations regarding percentage of silt accumulation may kindly be obtained from the Director, Mysore Engineering Research Station and furnished along with your reply.

Yours faithfully,

Sd/-
(S.K.MOHAN),
Under Secretary to Government,
Public Works Department(Tech).

Authorised for issue,

(S.K.KHADRI),
Section Officer,
P.W.D.(G.I.Section).

(92)

S. S. Ahmed,
S e c r e t a r y.

TUNGABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

Dated...26./.9./.1966.

D.O. Letter No. 2480/B1/63-20

Dear Shri Channappa,

Sub:- Laying down uniform procedure f conducting silt survey in stora reservoir - Undertaking of silt survey work by Mysore Engineeri Research Station, Krishnarajasa Regarding.

Ref:- 1)D.O.letter No.2480/B1/63-18 dated 21-6-66 of Shri H.J.Des Secretary,Tungabhadra Board addressed to you.
11)My D.O.letter No.2480/B1/63-1 dated 17-8-66.

****

Please refer to the D.O.letter cited above

2.I shall be obliged if you could kindly se copies of the report on the silt survey work in Tungabhadra Reservoir carried over by the Mysor Engineering Research Station, Krishnarajasagar as requested by me early.

PWD 983/B2/66

Yours Sincerely,

(S. S. Ahmed)

Shri M.Channappa,
Deputy Secretary to Government,
of Mysore, Public Works Department,
Vidhana Soudha,
Bangalore.

Submitted :- This pertains to PWD B2 section where there is a file on t

30/9

3/10/66

3/10/66

No. PWD 79 GK 66

Dear Sir,

Sub: Dr at Rapi 92/ex

~~Ref~~ your

I am desired to acknowledge the receipt of your D.O. letter No. 2440/BI/65-20 dated 16-9-66 on the subject cited and to state that a final reply will be sent to you in due course

yours sincerely

S.K.MOHAN B.E.,
UNDER SECRETARY TO GOVT.
P.W.D.(TECHNICAL).

Mysore Government Secretariat,
VIDHANA SOUDHA
Bangalore, dated the 26th October, 1966.

D.O.No.PWD 79 GKS.64.

Dear Sir,

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir - Undertaking of silt survey work by Mysore Engineering Research Station, Krishnarajasagar.

I am desired to acknowledge the receipt of your D.O. letter No.2480/B1/63-20 dated 16-9-1966 on the subject cited and to state that a final reply will be sent to you in due course.

Yours sincerely,

To

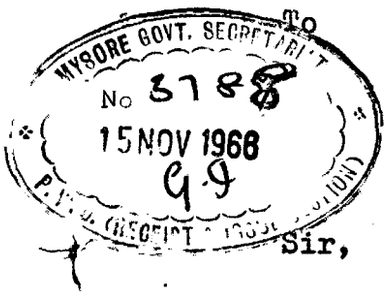
Shri S.S.Ahmed,
Secretary,
Tungabhadra Dam (via Hospet)
Bellary District.

GOVERNMENT OF MYSORE

No. D.A. 3068-69/6667

Office of the Chief Engineer,
Irrigation Projects in Mysore,
'Park House', Bangalore-1,

Dated: 9-11-66



To

The Secretary to Government,
P.W. & Electy. Department,
'Vidhana Soudha',
BANGALORE.

Sir,

Sub:- 1) Silt and sedimentation Survey in Tungabhadra Reservoir;

2) A Note on the effect of back water in different reaches of Tungabhadra Reservoir.

Ref:- Government letter No. PWD 79 GKS 64 dated 14th October 1966.

--

The brief Report on the silt sedimentation survey f Tungabhadra Reservoir as well as the note on the effect f back waters stated to have been enclosed with your above ited letter are not received. As such the same may kindly e forwarded immediately for taking needful action in the atter.

Yours faithfully,

9.11.6

for Chief Engineer, PWD.,
Irrigation Projects.

No. PHD 79 GKS 64

To

The C.E (OP), Bangalore

Sir,

Sub:- As at page 957 ex
Ref:- your letter No. DR JO
6667 dated 3-11-66

With reference to the
letter cited above I am
directed to state that the
latest Report on the Field Ed
mendation Survey of Jungalwa
Reservoir as well as the note
the effect of back waters h
been sent to you along w
Govt. letter of even number d
14-10-66 as received from
despatch Register. I am
therefore to request you to
to make a thorough search
your office to trace the re
and furnish your report at
with the aforesaid enclosure

Yours faithfully,

very early

The Chief Engineer,
Irrigation Projects,
Bangalore.

Sir,

Sub:- 1) Silt and sedimentation Survey in Tungabhadra Reservoir;

2) A Note on the effect of back-water in different reaches of Tungabhadra Reservoir.

Ref:-Your letter No.DR.3068.69/6667., dt:9-11-1966.

With reference to the letter cited above, I am directed to state that the brief Report on the Silt Sedimentation Survey of Tungabhadra Reservoir as well as the note on the effect of back waters has been sent to you along with Government letter of even number dated 14-10-1966 as verified from the Despatch Register. I am therefore to request you kindly to make a thorough search in your office to trace the same and furnish your report along with the aboresaid enclosure

Yours faithfully,

9/11/66

(S.K.Mohan)
Under Secretary to Govt.,
P.W.D(Technical).

(98)

TUNGABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

S. S. Ahmed,
S e c r e t a r y.

Dated. 21/12/1966

~~D.O.~~ Letter No. 2480/B1/63-21

Dear Shri Mohan,

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoirs- Undertakin of silt survey work by Mysore Engineering Research Station, Krishnarajasagar - Regarding.

MYSORE P. W. D. RECEIPT No 4207 26 DEC 1966

Ref:- Your D.O.letter No. PWD 79 GKS 64 dated 27-10-66.

****

Please refer to your D.O.letter cited above.

2. I shall be obliged if you could kindly send copies of the report on the silt survey work in Tungabhadra Reservoir carried over by the Mysore Engineering Research Station, Krishnarajasagar as requested by me early.

Yours Sincerely,

(S. S. Ahmed)

Shri S.K.Mohan,
Under Secretary to Government
of Mysore Public Works Department(Technical)
Vidhana Soudha,
Bangalore.

GOVERNMENT OF MYSORE

No.PWD 79 GAS 64

Mysore Government Secretariat
Vidhana Soudha,
Bangalore, Dated 30.12.1964

From

The Secretary to the Government of Mysor
Public Works & Electricity Departmen

To

The Chief Engineer, I.P/~~Investigation~~, Bangalor

Sir,

Subject: As at page 95/

I am directed to invite a reference to the Government letter/ ~~Memo~~ of even number dated . . 14.-10.-66. . . . . ~~the subsequent reminders of even number dated~~ . . . . . and your ~~letter No. dated~~ . . . . . on the above subject and to request you kindly to expedite your reply as the matter is

S. S. AHMED, IAAS,

TUNGABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

Dated. 27./.2./.1967.

D.O. Letter No. 2480/B-1/63-22.

Dear Shri Mohan,

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir--Undertaking of silt surve work by Mysore Engineering Research Station, Krishnarajasagar--Regarding

PWD 166/IAD 66

Ref:- Your D.O. letter No. PWD 79 GKS 64 dated 27-10-1966.

--:::--

Please refer to your D.O. letter cited above.

2. I shall be obliged if you could kindly send copies of the report on the silt survey work in Tungabhadra Reservoir carried over by the Mysore Engineering Research Station, Krishnarajasagar as requested by me.

Yours sincerely

(S.S.AHMED)

Gen. Irg
24
2/3

Shri S. K. Mohan,
Under Secretary to Government
Of Mysore, Public Works Department (Technical),
Vidhana Soudha,
BANGALORE.

GOVERNMENT OF MYSORE

Sri S. K. Mohan, B.E.,
Under SECRETARY TO GOVERNMENT,
PUBLIC WORKS DEPARTMENT(T)

MYSORE GOVERNMENT SECRETARIAT
VIDHANA SOUDHA,
BANGALORE: DATED.....

D.O.No.PWD. 29 GAS 64

SUBJECT: Dr. at Mgs. 29 G.A.S.

Dear Sir,

I am desired to invite your attention to this/~~your~~ Office letter No. Even Number dated 14-10-66 and th subsequent reminder noted in the margin*, on the subject and to request that reply thereto may kindly be expedited, as the matt is ~~long pending/extremely~~ urgent, ~~for want of reply from you.~~

*
1) PWD 29 GAS 64 dt 30/12/66
2)
3)
4)
5)
6)

To:

Shri S.M. Magdum, B.E., M.I.E.(Ind)
Chief Engineer (.....)
Bangalore

Yours sincerely,

SvR

S.K. Mohan, B.E.,
Under Secretary to Government,
P.W.D. (Technical).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated, 28th March 1967.

D.O.NO.PWD 79 GKS 64

Dear Sir,

Sub:- Silt and sedimentation Survey in Tungabhadra Reservoir.

I am desired to invite your attention to this Office letter of even number dated 14-10-1966 and the subsequent reminder dated 30-12-1966 on the subject and to request that reply thereto may kindly be expedited, as the matter is very urgent.

Yours sincerely,

Shri I.M. Magdum, B.E.,M.I.E.(Ind),
Chief Engineer, Irrigation Projects.
Bangalore.

D.O No. PWD 79 GKS 64

Dear Sir,

Sub:- As at page 100/cz

I am directed to acknowledge the receipt of your D.O letter No. 2480/03-E/63-6 dated 27/2/67 on the subject cited and to state that a final reply will be sent to you in due course

Yours sincerely

To

Sri S.S. Ahmed,
Secretary,
Tungabhadra Dam (Via Hospet)
Bellary District

Issued
1-5-67

S.K. Mohan, B.E.,
Under Secretary to Government,
P.W.D. (Technical).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated, ~~28th April~~ 1967.
1-5-

D.O.NO.PWD 79 GKS 64

Dear Sir,

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir - Undertaking of silt survey work by Mysore Engineering Research Station, Krishnarajasagar- Regarding.

I am desired to acknowledge the receipt of your D.O.letter No.2480/B-I 63-22 dated 27-2-1967 on the subject cited and to state that a final reply will be sent to you in due course.

Yours sincerely,

Shri S.S. Ahmed,
Secretary,
Tungabhadra Dam (Via Hospet),
Bellary District.

cn/

Issued
1567

S. S. AHMED, I.A.A.S.,
Secretary

TUNGABHADRA DAM
(*via* HOSPET) BELLARY DISTRICT,
MYSORE STATE

Dated. 29/4/1967.

1024
2 MAY 1967
P.W.D. (RECEIPT & ISSUE SECTION)

D.O. Letter No. 2480/B-1/63-23.

Dear Shri Mohan,

Sub:- Laying down uniform procedure for conducting silt survey in storage reservoir--Undertaking of silt survey work by Mysore Engineering Research Station, Krishnarajasagar--Regarding.

Ref:-1) Your D.O. letter No. PWD 79 GKS 64. dated 27-10-1966.
2) My D.O. letter No. 2480/B-1/63-22 dated 27/2/1962.

--:::--

Please refer to my D.O. letter cited second above.

2. I shall be obliged if you could kindly send copies of the report on the silt survey work in Tungabhadra Reservoir carried over by the Mysore Engineering Research Station, Krishnarajasagar as requested by me.

Yours sincerely,

(S.S.AHMED)

Shri S. K. Mohan,
Under Secretary to Government
Of Mysore, Public Works Department (Technical)
Vidhana Soudha,
BANGALORE.

GOVERNMENT OF MYSORE

Sri. S. K. Mohan, B.E.,
Under SECRETARY TO GOVERNMENT,
PUBLIC WORKS DEPARTMENT(T)

MYSORE GOVERNMENT SECRETA
VIDHANA SOUDHA,
BANGALORE: DATED.....

D.O.No.PWD. T.G.K.L.64

SUBJECT: Appt. regn. 105 Ex

Dear Sir,

I am desired to invite your attention to this/you
Office letter No. from Number ...dated 14-10-64 and
subsequent reminder noted in th
margin*, on the subject and to
request that reply thereto may
kindly be expedited, as the mat
is ~~long pending~~/extremely urgen
~~for want of reply from you~~.

*
1) PWD TGK 64 dt 30/12/64
2) — do — dt 21-3-65
3)
4)
5)
6)

To:

Yours sincerely,

Shri. S. M. Nagaraj, B.E, M.I.E.(IND)
Chief Engineer (T.P.)
Bangalore

SvR

S.K.MOHAN, B.E.,
Under Secretary,
P.W.D.(Irrigation)

Mysore Government Secretariat,
VIDHANA SOUDHA
Bangalore, dated the 12th May 1967.

D.O.No. PWD 79 GKS 64

Dear Sir,

Sub:-Laying down uniform procedure for conducting silt survey in storage reservoir - undertaking of silt survey work by Mysore Engineering Research Station, Krishnarajasagar.

I am desired to invite your attention to this office letter of even No. dated 14.10.66 and the subsequent reminde noted in the margin*, on the subject and to request that reply thereto may kindly be expedited, as the matter is extremely urgent.

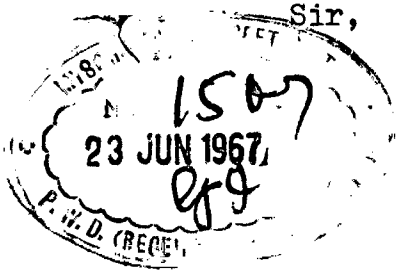
1. PWD 79 GKS 64 dt. 30.12.66
2. -do- dt. 21.3.67

Yours sincerely,

Office of the Chief Engineer, PWD (I)
Irrigation Projects in Mysore,
Park House, Bangalore-1.
Date 22-6-67

To

The Secretary to Government,
Public Works & Electy. Department,
'Vidhana Soudha', Bangalore.



Sir,

Sub:- Silt and Sedimentation Survey of Tungabhadra Reservoir.

Ref:- No. PWD 76 GKS 64 dated 14-10-66 and D.O.No. PWD 79 GKS 64 dated 12th May 1967.

With reference to the above letter, I write to state that certain particulars called for from the Director, Mysore Engineering Research Station, Krishnarajasagar, have been just received and are under study. The report called for ernment will be furnished shortly.

Yours faithfully,

Narayan 20.6.6

for Chief Engineer,
Irrigation Projects.

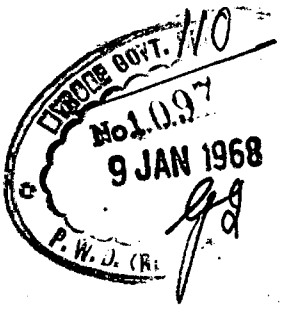
TUNGABHADRA DAM
(*via* HOSPET) BELLARY DIS
MYSORE STATE

S. S. AHMED,
S E C R E T A R Y.

Dated 6/1/1968.

D.O. Letter No. 2480/B1/63--26.

My Dear Mohan,



Sub:- Laying down uniform procedure for conducting of silt survey in storage reservoir - Undertaking of silt survey work by Mysore Engineering Research Station, Krishnarajasagar - Regarding

Ref:- Your D.O. letter No. PWD 79 GKS 64 dt. 1-5-1967.

--:oo:--

Please refer to your D.O. letter cited above.

2. I shall be obliged if you could favour me with the report on the Silt Survey work in Tungabhadra Reservoir carried out by the Mysore Engineering Research Station, Krishnarajasagar.

Yours sincerely,

(S.S. AHMED)

Shri S.K. Mohan,
Under Secretary to Government,
Public Works Department(Technical),
BANGALORE-1.

P2D7GR&S64 MYSORE GOVERNMENT SECRETARIAT,

O. No.

Dated, Bangalore, ...

Sub-D at page 10 ftpr.

AR SIR,

I am desired to invite your attention to this Office Letter No ..even number....., dated 16-10-1966, and the ...sequent Reminder dtd. of even number... ...nders, dated 30-12-66, 21-3-67 & 1275/67 ...ch subject mentioned above and your letter ... DR-TAD-1032 dated 22-6-67 on the subject ...ntioned above .....

...d to request that reply thereto may kindly be expedited, as the ...tter is long pending.

Yours sincerely,

[illegible]

Shri M. Channappa, B.E.,A.M.I.E.,
Deputy Secretary to Government,
P.W.D. (Irrigation).

NO.PWD 79 GKS 64

Dear Sir,

Sub:- Silt and Sedimentation Survey of Tungabhadra Reservoir.

I am desired to invite your attention to this Office letter of even number dated 14-10-1966 and the subsequent reminder of even number dated 30-12-1966, 21-3-1967 and 12-5-1967 and your letter No.DR-TAD.1032 dated 22-6-1967 on the subject mentioned above and to request that reply thereto may kindly be expedited, as the matter is urgent.

Yours sincerely,

GOVERNMENT OF MYSORE

DR/TAD1/TBR/Silt Survey/ 4461.

Office of the Chief Engineer,
Irrigation (South),
63, Palace Road, Bangalore-1,
Dated: 11-3-1968.

The Secretary to Government,
Public Works Department,
'Vidhana Soudha',
Bangalore-1.

PWD (GI. Irrgn).
No 1040 Date 12/3

I. SECTION
P. W. & E. D.
No. 10631
Date 11 MAR 1968
Section 41

Sub:- Silt and Sedimentation Survey of Tungabhadra Reservoir.

Ref:- Government letter No. PWD 79 GKS 64 dated 14th October 1966 and subsequent reminders.

Referring to the above cited letter, I write to state as follows.

I. Silting of Tungabhadra Reservoir

1) The rate of silting in Tungabhadra Reservoir viz., 377.2 ft for 100 sq.miles of water spread area per year is far in e of what has been anticipated in the southern region. One of main reasons for this may be due to the excess quantity of si accumulation computed by taking the present sounding levels a original ground levels which may most probably have been base the contour maps furnished by the Survey of India some decade at the time of construction of the reservoir. The contour interval (10 ft) for the calculations purposes is also large therefore this might have resulted in giving somewhat high qu of silt as having been deposited.

2) The volume of 4,10,500 acre ft of computed silt deposite 10 years depends upon its unit weight which goes on increasin passage of years as new layers of silt get deposited on the o one and therefore the original volume of silt would get reduc in volume in say 5 to 10 years later.

3) It is also mentioned that 2 canals now functioning at th low levels of R.L. 1550 and R.L. 1560 will cease to function probably much before the ayacut is developed. This may not as the reservoir has many outlets including those at low leve and the studies of various reservoir operations throughout th world have indicated very low silting nearer to dam and furth the operation of these outlets will usually have the effect o scouring sluice by drawing the accumulated silt in a funnel s formed at least near the outlets without allowing them to get silted up.

Recommendations:

1) It is now suggested that the silt and sedimentation su should be continued at intervals of 3 to 5 years for another 15 years assuming the present levels based on soundings as th basis for the correct block level plan of the reservoir bed. subsequent surveys would give the correct quantity of silt de and thereby the actual rate of silting.

2) Arrangements should be made to gauge the rate of silt charge in Tungabhadra River and its distributaries upstream a also in the main river downstream to correlate the rate of si with the inflow of sediment.

3) Comprehensive phased soil conservation measures in the catchment area should be taken with utmost urgency to reduce

.. P/2

rate of silting in the reservoir. This would incidentally improve the climatic conditions as well as the rainfall in t area. The soil conservation methods would improve the soil fertility and thereby the agricultural production would incr

II. Back Water effect in Tungabhadra Project.

The Director, Mysore Engineering Research Station, in his report has furnished the back water effect of Tungabhadr Project based on the theoritical calculations for various discharges from 1.00 lakh cusecs to 3.5 lakh cusecs. Based the theoretical calculation, the water surface level near th dam site for discharge ranging from 1.00 lakh cusecs to 3.5 cusecs will correspond to R.L. 1619 to R.L. 1627.

Remarks:

1) In the theoretical calculations the co-efficient of ru is assumed as 0.035 and 0.030 in the two alternative studies conducted for discharges of 3.5 lakh cusecs and 3.00 lakh cu The basis on which the uniform co-efficient of rugocity (N) has been assumed as 0.03 is not indicated in the report. Ho ever, it is felt to be slightly on the higher side.

2) The observed high flood levels are at narrow points wh there is bound to be afflux and therefore this affluxed leve should not be taken as the actual high flood level for the reservoir at the cross section.

3) Government in their letter mentioned above have stated that for a discharge of 3.5 lakh cusecs in Tungabhadra river the maximum back water effect would be at R.L. 1653 with the M.W.L. of R.L. 1633 which would mean a submergence on the foreshore of the reservoir for about 20 ft higher than the M.W.L. in the reservoir and have therefore asked for the opinion about acquiring the land lying in the further 15 ft higher elevation, along the fore-shore. It may be mentione that the computed back water level based on the assumed valu of co-efficient of rugocity should not be taken as uniform over the whole area. The afflux is bound to vary from secti to section, and the actual afflux calculated for any section only should be adopted with intrapolation. Excessive afflux due to local configuration and constrictions should be provi for separately.

4) The frequency of occurance of such floods is rare and the duration is also short. Therefore even if such a flood occurs, the duration being short its adverse effects on the fore-shore are not large. However, it might become necessar to acquire the entire area to safeguard against the eventual of such back water effect on rare occassions, if there is extensive damage to crops etc.

5) The back water effect follows a particular curve and t fore the land if to be acquired should not be for the remain 15 ft for the entire water spread but will vary from the min of 5 ft at the masonry Dam to a maximum of 20 ft at the fart corner, as stated in para 3 supra.

Recommendations:

1) It is now suggested that the study on the back water effects for various discharges should be continued for anoth 4 to 5 years at sections more suitable and more representati than those now selected and should compare the back water le so observed with the computed figures for corresponding dis- charges.

2) In the event of submersion due to back water effect at high discharges ~~but~~ Govt may acquire land or pay compensation for the damage caused to the land or to the crop whenever it occurs.

Yours faithfully,

G.Narayan 8.3.68

Chief Engineer, PWD.,
Irrigation(South),
Bangalore.

O. C. Approved by C. E.

8/3/68

Appendix F. G.—1]

SUBJECT ..... Dr at page 109/xx .....

.....

.....

Ref your letter No. 2470/DS1/63-26 dated 6/1/64

No. of letter replied to .....

Mysore Government Secretariat.

( )

the *195* .

Date of issue.....

Signed by.....

List of enclosures .....

Copied by.....

Examined by .....

Section

File No.

Serial No.

No. PWD 79 GRS 64

To

The Secretary,
Jungabhadra Dam
(Vijayanagar).
Bellary Dist.

Sir,

With reference to the letter cited above, I am directed to state that the results of the Soil-survey work conducted by the M.E.R.S. Lr. R. Sagar are under scrutiny and that if any conclusions would be arrived, the same will be communicated to you.

Yours faithfully,
for Secretary to Govt.
of PWD

Section Officer

The

Public Works & Elecy.Department,Bangalore.

The Secretary,
Tungabhadra Dam,
(Via Hospet),
Bellary District.

Sir,

Subject:-Laying down unff[illegible]
conducting of silt survey in storage reservoir-Undertaking of silt survey work by Mysore Engineering Reserach Station, Krishnarajasagar-Regarding.

Reference:-Your letter No.2480/B1/63-26, date[illegible] 6-1-68.

With reference to the letter cited above, I am directed to state that the results of ~~said~~ silt survey work of ~~the~~ M.E.R.S., K.R.Sagar are under ~~gen-~~ scrutiny and that if any conclusions ~~would be~~ arrived, the ~~same~~ will be communicated to you.

Yours faithfully,

(S.K.MOHAN),
Under Secretary toGovernmen
Public Works & Elecy.Dept.

DECCAN HERALD
Date 11-7-68

Silt deposit in TB reservoir causes worry

By Our Staff Reporter

The rate of silt deposition in the Tungabhadra Reservoir, Munirabad, is causing concern to the Government.

What is causing "disquiet" to the Government is that the rate of silt deposition continues to be heavy despite the fact that there are two major upstream silt traps in the shape of Lakkavalli Reservoir across the Tunga and the high weir across the Bhadra besides numerous minor tanks in that part of the catchment area having an assured rainfall.

The Government is at present conducting a survey to find out whether the silt flows out with the current or deposits. Future steps will be decided after the

The C. E (Investigation) & Chairman
~~Secretary~~ of the State
Technical Advisory committee
on soil conservation & Inland Navi
Bangalore

Sub:- As at page 118/ex

I am directed to state that the accumulation of silt in Tungabhadra Reservoir is perhaps more than in all Reservoirs and therefore comprehensive schemes for soil conservation in the catchment area of all our Major Reservoirs will have to be thought out.

I am therefore to request you kindly to examine this problem and draw up a scheme for phased soil conservation measures in the catchment area of Tungabhadra & other Reservoirs

Y.F
16/5
Ags 16 Govt
P.W.D (I)
Secrl
16/5

PWD 79 GKS 64

The
Public Works Department, Bangalore.

The Chief Engineer (Investigation) & Chairman
of the State,
Technical Advisory Committee
on Soil Consurvation and Flood Control,
Bangalore.

ir,

Subject:- Lying down uniform procedure for conducting of silt survey in storage reservoir-Undertaking of silt survey work by Mysore Engineering Research Station, Krishnarajasagar - Regarding.

---:o:---

I am directed to state that the accumulation of silt in Tungabhadra Reservoir is perhaps common to all Reservoirs and therefore comprahensive schemes for Soil Conservation in the catchment area of all our Major Reservoi will have to be thought out.

I am therefore to request you kindly to examine this problem and draw up a scheme for phased Soil Conservati measures in the catchment area of Tungabhadra and other Reservoirs.

Yours faithfully,

ISSUED
Dated 19.7.68

(S.K. Mohan),
Under Secretary to Government,
Public Works and Electricity Department.

o/c

COLLECTION
RECEIVED
No. 33378
Date 8 AUG 1968
Section 41

TUNGABHADRA DA
(*via* HOSPET),
BELLARY DISTRICT,
MYSORE STATE

Dated 6 / 8 / 196;

Letter No.2480/B1/63-29.

From

Shri S. S. Ahmed,
S e c r e t a r y.

PWD (GI. Irrgn).
No 3/33 Date

To

The Secretary to Government of Mysore,
Public Works & Electricity Department,
Vidhana Soudha,
Bangalore-1.

Sir,

Sub:- Laying down uniform procedure for conducting soil survey in storage reservoir - Undertaking of soil survey work by Mysore Engineer Research Station, Krishnarajasagar Regarding.

Ref:- Your letter No.PWD 79 GKS 64 dated 10-4-68.

**** → P. 115/62

I am directed to invite a reference to your letter cited above and to request you kindly to favour me with an early reply in the matter.

Yours faithfully,

Secretary,
Tungabhadra ~~Board~~.

GOVERNMENT OF MYSOR_

Tele: HYDROELEC 29401

OFFICE OF THE
CHIEF ENGINEER, P. W. D., INVESTIGATIONS
HYDRO-ELECTRIC PROJECTS,
ANANDARAO CIRCLE, POST BAG No. 8,
Bangalore-9, dated 8-8-68

No. CEIH/ STAC/SC/III/TA1.
Encl :

To

The Secretary to Government,
Public Works Department,
Vidhana Soudha, Bangalore 1.

Sir,

Sub:- Laying down uniform proceedure for conducting of silt survey in storage reservoirs - undertaking of silt survey work by M.E.R.S. - regarding.

Ref:- Govt. letter No. PWD 79 GKS 64 dated 19.7.68. → P.1

.....

I & I. SECTION
P. W. & E. D.
No 33631
Date 9 AUG 1968
Section GD

PWD (Gl. Irrgn).
No 3169 Date
Sri. CH 9-8

With reference to the above, I write to state that details of the programme of afforestation and contour bunding in the catchment areas of major river valley Projects have been called for from the Chief conservator of forests and the Director of Agriculture. The Director, Mysore Engineering Research Station, Krishnarajasagar has also been addressed to furnish a note on the results of silt surveys conducted in the Tungabhadra Reservoir.

On receipt of the above details, a meeting of the State Technical Advisory Committee (Soil conservation) will be convened and the decisions taken by the committee will be communicated to Government.

Yours faithfully,

J. A. B. Ramamurthy 7/8

Chief Engineer, PWD,
Invn. H.E. & I.P. Bangalore.
and Chairman, S.T.A.C.,(S.C)

GOVERNMENT OF MYSORE

...Sri. S. K. Mohan.....
Under Secretary to Government,
Public Works Department (T).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated: 1968.

D.O.No. PWD. 79 GKS 64

Subject:- ....Annl. Repl. 1207.....
.....
.....

Dear Sir,

I am desired to invite your attention to ~~this~~/your office letter No. ST A 2/S 2/III/TA 1 dated. 8-8-67 ~~and the subsequent reminder noted in the margin~~*, on the subject and to request that reply thereto may kindly be expedited, as the matter is long pending/~~extremely~~ urgent/ ~~for~~

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Shri S.K. Mohan, B.E.,
Under Secretary to Govt.,
P.W.D.(Technical).

Mysore Government Secretariat,
Vidhana Soudha,
Bangalore, Dated, 18th November 1968.

D.O.NO.PWD 79 GKS 64

Dear Sir,

Sub:- Laying down uniform procedure for conducting of silt survey in storage reservoirs - undertaking of ~~xxix~~ silt survey work by M.E.R.S.- regarding -

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I am desired to invite your attention to your office letter No. STAC/SC/III/TA1 dated 8-8-68 on the subject and to request that reply thereto may kindly be expedited, as the matter is long pending.

ISSUED
Dated 19.11.68

Yours sincerely,

Shri M.V. Aswathanarayana Setty, B.E.,
M.I.E. (Ind),
Chief Engineer, Investigation of
Hydro-Electric & Irrigation Projects,
Bangalore.